

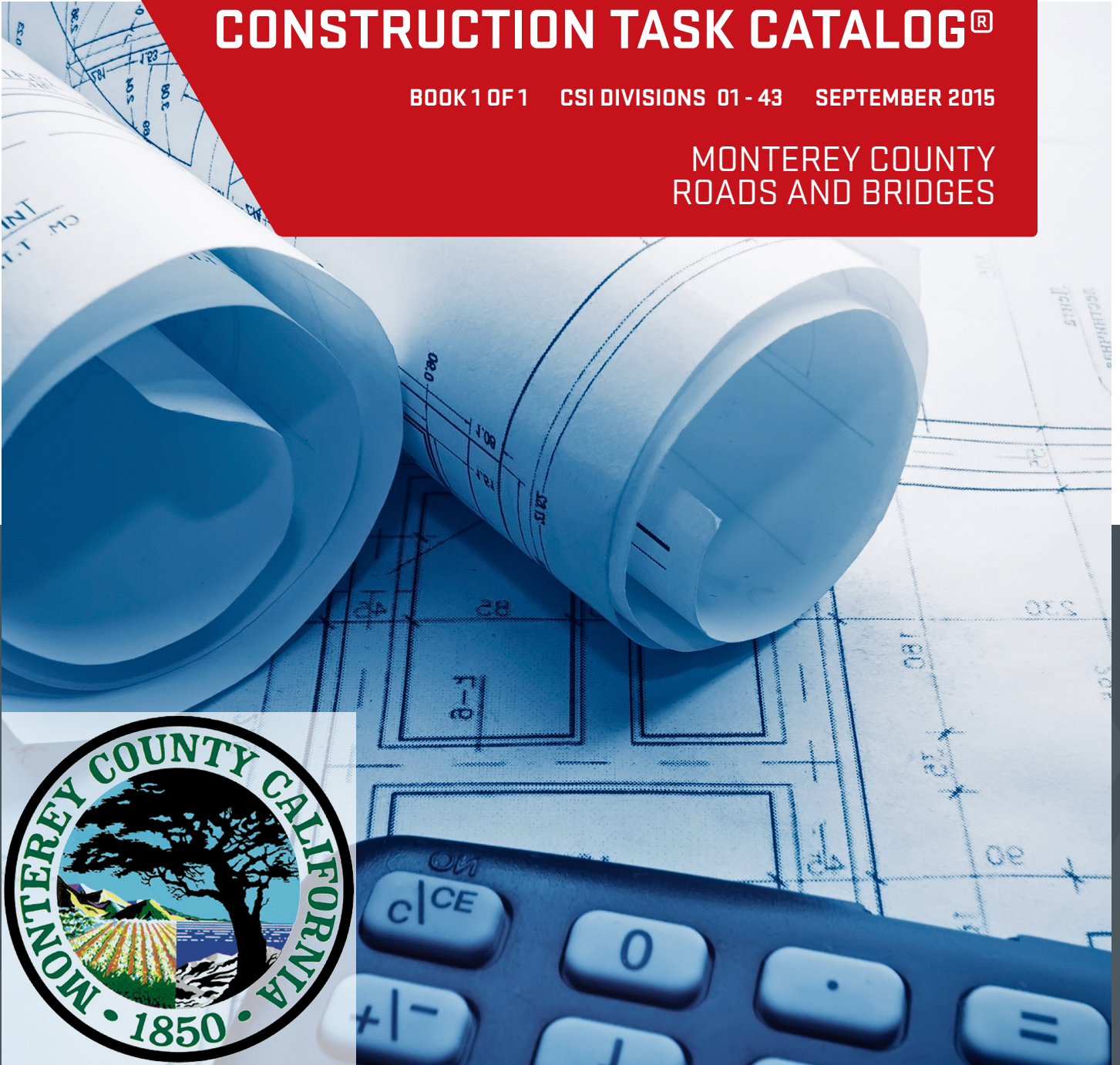


BUY SMART. BUILD BETTER.

JOB ORDER CONTRACT CONSTRUCTION TASK CATALOG®

BOOK 1 OF 1 CSI DIVISIONS 01 - 43 SEPTEMBER 2015

MONTEREY COUNTY
ROADS AND BRIDGES



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CTC Information:

- ☑ This Construction Task Catalog® was developed and customized by The Gordian Group, Inc. specifically for **Monterey County**, priced locally using current labor, material and equipment costs, and published in September 2015.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Monterey County**. Use of The Gordian Group's CTC and other proprietary information and software for any other purpose or any other entity is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

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



The Unit Prices Include:

LABOR COSTS:

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

- ☑ Labor costs are based on workers familiar with and skilled in the performance of the task following OSHA requirements.

EQUIPMENT COSTS:

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

MATERIAL COSTS:

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

Complete and In-Place Construction:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 1/2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

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- ☑ Unit prices for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) that are required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, flashing, pitch pockets, skylights, curbs, roofing, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibration, balancing and the like required to ensure proper installation, construction and performance (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing, others as required). Use of owner supplied materials, equipment or tying into existing equipment/piping may justify testing, balancing, etc.

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 ½ stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a

separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).

- ☑ The description "replace" includes the demolition of the existing item and the installation of the new item.
- ☑ The descriptions "remove and relocate" or "remove and reinstall" includes the removal, cleaning of item and installation of the existing item in either the same location or another location.
- ☑ The description "reinstall" includes the cleaning and installation of the existing item.
- ☑ Salvageable materials remain the property of the Owner and shall be turned over as directed when specified in the Job Order.

The Adjustment Factors Include:

BUSINESS COSTS:

- ☑ Overhead costs, including, unless specifically excluded in the Contract Documents, but not limited to;
 - home office overhead
 - insurance, bonds, and indemnification
 - project meetings, training, management and supervision
 - mobilization and close-out for the contract and each Job Order and
 - project office staff and equipment.
- ☑ Profit.
- ☑ Subcontractor's overhead and profit.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Employee or Subcontractor's wage rates that exceed the prevailing wage rates.

- ☑ Fringe benefits, payroll taxes, worker's compensation, insurance costs and any other payment mandated by law in connection with labor that exceeds the labor rate allowances.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

CONSTRUCTION RELATED COSTS:

- ☑ Services required to obtain filings and permits.
- ☑ Preparation and modification of proposals, sketches, drawings, submittals, as-built drawings, CADD drawings, microfilm, and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Office trailer and portable toilets for Contractor's use.
- ☑ Construction vehicles such as pick-up trucks, utility trucks, vans, flat bed trucks, tractors, trailers, etc.
- ☑ Storage devices or items such as gang boxes and containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner security requirements.
- ☑ Excess waste including roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, siding, concrete, etc. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, wall or ceiling attached or fastened devices or furnishings, safes or other furniture requiring disassembly).

- ☑ Sealing, windows, and openings with plastic to contain construction dust and debris within the work area.
- ☑ Daily clean-up.
- ☑ Final professional project clean-up.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Costs resulting from productivity loss.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as excessive rain, wind, sleet or snow.
- ☑ Differences in project size; complexity and location.
- ☑ All costs for other than discreet items of work specifically required to complete a particular Job Order.

PRICE VARIATIONS:

- ☑ Contractors may find differences in labor, equipment and material costs due to certain economic factors. Variations in labor cost can also result from labor efficiency, labor restrictions, working conditions and local work rules. Variations in material costs can also result from the quantity of material purchased, the existing relationship with suppliers, and because the materials have been discontinued or have become obsolete.
- ☑ While diligent effort is made to provide accurate and reliable up-to-date pricing, it is the responsibility of the Contractor to review and analyze the unit prices, and to calculate their Adjustment Factors accordingly, prior to bidding.

GENERAL COSTS:

- ☑ This list is not exhaustive and is intended to provide general examples of cost items to be included in the Contractor's Adjustment Factor as defined in the Contract.
- ☑ The only compensation to be paid to a Contractor for the unit price tasks will be:

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Published Unit Price X Installation (or Demolition) Quantity X Appropriate Adjustment Factor

- No additional payments of any kind whatsoever will be made. All costs not included in the unit prices must be part of the Adjustment Factors.

General Interpretations:

WORKING HEIGHT:

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

FIELD ENGINEERING:

- Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical controls. If the Owner provides horizontal and vertical control points within or adjacent to the project site, any other surveying required to complete the work is considered construction staking or layout and the cost thereof is included in the appropriate task.

ASSEMBLIES:

- Assembly unit prices take precedence over individual component pricing.

TESTING:

- Contractor will be paid for testing existing material, as required by the technical specifications and as directed by the Owner (record tests) at the unit price for the appropriate task. The cost of process quality control testing routinely performed by the Contractor is included in the unit prices for the individual tasks.

MISCELLANEOUS:

- For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- Whenever there are alternative tasks that may be selected to complete work the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days or painting by roller or spray rather than brush).
- Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and

exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

- ☑ Whenever a material, article or piece of equipment is identified in the CTC or in the specifications by reference to manufacturers' or vendors' names, trade names, catalogue numbers, or make, the identification is intended to establish a standard. Any material, article or equipment of another manufacturer or vendor which performs satisfactorily the duties imposed by the general design may be considered equally acceptable provided that, in the opinion of the Owner, the material, article or equipment so proposed is of equal quality, substance and function. The Contractor shall not provide, furnish or install any proposed material, article or equipment without the prior written approval of the Owner. The burden of proof and all costs related thereto concerning the "or equal" nature of the substitute item, whether approved or disapproved, shall be borne by the Contractor.

SPECIFICATIONS:

- ☑ Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a specification shall be considered part of the unit price, unless the task description or technical specifications state otherwise.

Useful Information:

UNIT OF MEASURE DEFINITIONS:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per

Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

MATERIAL WEIGHTS:

EARTHEN MATERIAL

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

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix.	3380	2370	3720

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(75% E/ 25% R)			
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

1 Pound = 0.4536 Kilograms

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

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

BULK FACTORS FOR DEMOLITION:

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

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

CONVERSIONS:

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

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

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

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

STANDARD GEOMETRY:

Circle

- Circumference = $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area = $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume = $(\pi \text{ radius}^2) \text{height}$
- Surface Area = $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

Sphere

- Volume = $(4 \pi \text{ radius}^3) / 3$

- Surface Area = $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

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

TRADEMARKS

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

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 General Requirements

01 20 Price And Payment Procedures ⁽⁰¹⁾

01 22 Unit Prices ^(01 20)

01 22 16 Unit Price Payment ^(01 22)

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

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

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

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

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

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

01 22 20 Wage Rates ^(01 22)

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

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

01 22 20 00-0002	HR	Asbestos Removal Worker	58.54
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	2.93
		For Apprentice, Deduct	-11.71
01 22 20 00-0003	HR	Brick Layer.....	73.85
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.69
		For Apprentice, Deduct	-14.77
01 22 20 00-0004	HR	Carpenter.....	77.70
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.89
		For Apprentice, Deduct	-15.54
01 22 20 00-0005	HR	Carpenter, Bridge Builder	85.83
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Apprentice, Deduct	-17.17
01 22 20 00-0006	HR	Cement Mason	65.93
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.30
		For Apprentice, Deduct	-13.19
01 22 20 00-0007	HR	Electrician	82.01
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.10
		For Apprentice, Deduct	-16.40
01 22 20 00-0008	HR	Electrician, Cable Splicer.....	83.01
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Apprentice, Deduct	-16.60
01 22 20 00-0009	HR	Electrical Groundman	83.01
		Note: Line items in the CTC include appropriate costs to cover labor. These items will be requested specifically by the owner for miscellaneous work not covered in the CTC.	
		For Foreman, Add	4.15
		For Apprentice, Deduct	-16.60
01 22 20 00-0010	HR	High Voltage Electrician, (Utility Lineman)	81.96
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.10
		For Apprentice, Deduct	-16.39
01 22 20 00-0011	HR	Communication And System Technician	64.30
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Apprentice, Deduct	-12.86
01 22 20 00-0012	HR	Equipment Operator, Heavy (Crane)	81.30
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	4.07
		For Apprentice, Deduct	-16.26
01 22 20 00-0013	HR	Equipment Operator, Medium (Bulldozer)	76.52
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.83
		For Apprentice, Deduct	-15.30
01 22 20 00-0014	HR	Equipment Operator, Light (Backhoe, Bobcat)	71.60
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
		For Foreman, Add	3.58
		For Apprentice, Deduct	-14.32
01 22 20 00-0015	HR	Laborer	68.00
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0016 HR Landscape Maintenance Laborer.....	11.43	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017 HR Millwright.....	79.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.98	
For Apprentice, Deduct	-15.90	
01 22 20 00-0018 HR Mold Removal Worker	63.28	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.16	
For Apprentice, Deduct	-12.66	
01 22 20 00-0019 HR Painter, Ordinary.....	67.75	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.39	
For Apprentice, Deduct	-13.55	
01 22 20 00-0020 HR Painter, Structural Steel	82.59	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.13	
For Apprentice, Deduct	-16.52	
01 22 20 00-0021 HR Pile Drivers	90.81	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.54	
For Apprentice, Deduct	-18.16	
01 22 20 00-0022 HR Plasterer	66.64	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.33	
For Apprentice, Deduct	-13.33	
01 22 20 00-0023 HR Plumber	80.65	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.03	
For Apprentice, Deduct	-16.13	
01 22 20 00-0024 HR Powderman.....	64.24	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.21	
For Apprentice, Deduct	-12.85	
01 22 20 00-0025 HR Rodman (Reinforcing)/Ornamental Steel Worker.....	79.97	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.00	
For Apprentice, Deduct	-15.99	
01 22 20 00-0026 HR Sheet Metal Worker	85.57	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.28	
For Apprentice, Deduct	-17.11	
01 22 20 00-0027 HR Stone Mason.....	73.85	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.69	
For Apprentice, Deduct	-14.77	
01 22 20 00-0028 HR Structural Steel Worker.....	84.53	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	4.23	
For Apprentice, Deduct	-16.91	
01 22 20 00-0029 HR Tile Layer	66.96	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.35	
For Apprentice, Deduct	-13.39	
01 22 20 00-0030 HR Terrazzo Finisher.....	77.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.88	
For Apprentice, Deduct	-15.50	
01 22 20 00-0031 HR Truck Driver, Light.....	63.96	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.20	
For Apprentice, Deduct	-12.79	
01 22 20 00-0032 HR Truck Driver, Heavy.....	64.37	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Foreman, Add	3.22	
For Apprentice, Deduct	-12.87	
01 22 20 00-0033 HR D1 Certified Welder.....	93.86	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0034 Rates For Services (01 22 20)		
01 22 20 00-0035 HR Watchman/Guard, Unarmed	16.78	
01 22 20 00-0036 HR Watchman/Guard, Armed	24.64	
01 22 20 00-0037 HR OSHA Testing.....	71.25	
01 22 20 00-0038 HR Investigating Engineer Or Specialty Consultant.....	80.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0039 HR Investigating Senior Engineer Or Specialty Consultant.....	125.00	
Note: For special investigating requirements or services outside required architectural and engineering services.		
01 22 20 00-0040 HR Industrial Hygienist.....	45.52	
01 22 20 00-0041 HR Certified Industrial Hygienist	125.00	
01 22 20 00-0042 HR On Site Material Testing Technician	57.00	
01 22 20 00-0043 MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.56	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0044 EA Security Badge, Processing Fee.....	44.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0045 HR Biologist.....	132.00	
01 22 20 00-0046 HR Ecologist.....	145.00	
01 22 20 00-0047 Rates For Traffic Control (01 22 20)		
01 22 20 00-0048 HR Flagperson For Traffic Control.....	68.00	
01 22 20 00-0049 DAY Pilot Vehicle With Driver.....	730.76	
Note: Includes CB and radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0050 HR California Highway Patrol Officer With Car.....	49.46	
For Each Mile, Add		
01 22 20 00-0051 HR California Highway Patrol Officer With Motorcycle.....	51.22	
For Each Mile, Add		
01 22 20 00-0052 HR California Highway Patrol Sergeant Officer With Car.....	62.13	
For Each Mile, Add		
01 22 20 00-0053 HR California Highway Patrol Sergeant Officer With Motorcycle.....	62.28	
For Each Mile, Add		
01 22 20 00-0054 Mobilize Equipment (01 22 20)		
01 22 20 00-0055 HR Escort Vehicle With Driver.....	76.11	
01 22 20 00-0056 HR Transport Vehicle With Driver.....	98.26	
01 22 23 Equipment Usage (01 22)		
Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. See CSI section 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001 Aerial Equipment (01 22 23)		
01 22 23 00-0002 Manlifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003 Telescoping Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0004 Engine Powered, Telescoping Boom Manlifts (01 22 23 00-0003)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005 DAY 40' Engine Powered, Telescoping Boom Manlift.....	443.64	
01 22 23 00-0006 WK 40' Engine Powered, Telescoping Boom Manlift.....	1,116.26	
01 22 23 00-0007 MO 40' Engine Powered, Telescoping Boom Manlift.....	2,504.42	
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Manlift.....	651.15	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Manlift.....	1,552.74	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Manlift.....	3,398.86	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Manlift.....	1,266.52	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Manlift.....	3,069.71	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Manlift.....	6,439.95	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Manlift.....	1,803.19	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Manlift.....	4,341.96	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Manlift.....	10,819.12	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Manlift.....	2,196.74	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Manlift.....	5,602.76	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Manlift.....	12,736.79	
01 22 23 00-0020 Articulating (Up/Over) Boom Manlifts (01 22 23 00-0002)		
01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	324.69	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	814.68	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,959.96	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	413.24	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	903.24	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,242.15	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	531.32	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,227.93	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,745.13	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	926.85	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	2,184.30	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Manlift.....	5,311.97	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	1,800.57	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	4,250.52	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Manlift.....	10,390.16	
01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Manlifts (01 22 23 00-0020)		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Manlift.....	324.69	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Manlift.....	814.68	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Manlift.....	1,959.96	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Manlift.....	324.69	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Manlift.....	814.68	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Manlift	1,959.96	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Manlift	401.44	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Manlift	867.81	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Manlift	2,154.78	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Manlift	401.44	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Manlift	867.81	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Manlift	2,154.78	
01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)		
Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift	151.25	
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift	302.50	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift	618.75	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift	165.00	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift	330.00	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift	660.00	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift	213.12	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift	426.25	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift	914.38	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift	275.00	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift	543.12	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift	1,203.12	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift	295.62	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift	577.50	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift	1,306.25	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift	385.00	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift	955.62	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift	2,660.62	
01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Two- or four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift	309.38	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift	605.00	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift	1,478.12	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift	316.25	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift	721.88	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift	1,581.25	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift	350.62	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift	804.38	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift	1,787.50	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift	371.25	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift	866.25	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift	2,131.25	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift	694.38	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift	1,526.25	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift	3,753.75	
01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)		
Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift	150.57	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift	426.62	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift	861.60	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift	209.12	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift	443.34	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift	869.96	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift	351.33	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift	853.23	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift	2,492.77	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift	376.42	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift	936.88	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift	2,819.00	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift	200.76	
01 22 23 00-0100 WK 15', Self-Propelled, Electric Single Man Personnel Lift	401.52	
01 22 23 00-0101 MO 15', Self-Propelled, Electric Single Man Personnel Lift	803.04	
01 22 23 00-0102 DAY 20', Self-Propelled, Electric Single Man Personnel Lift	200.76	
01 22 23 00-0103 WK 20', Self-Propelled, Electric Single Man Personnel Lift	401.52	
01 22 23 00-0104 MO 20', Self-Propelled, Electric Single Man Personnel Lift	834.83	
01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)		
Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106 DAY 48' Bucket Truck With Full-Time Operator	983.77	
For Equipment Without Operator, Deduct	-514.97	
01 22 23 00-0107 WK 48' Bucket Truck With Full-Time Operator	4,249.17	
For Equipment Without Operator, Deduct	-2,574.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0108 MO 48' Bucket Truck With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,898.23	-11,098.57
01 22 23 00-0109 Air Equipment (01 22 23)		
01 22 23 00-0110 Air Compressors (01 22 23 00-0109) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0111 DAY 100 CFM Diesel Powered Portable Air Compressor	167.01	
01 22 23 00-0112 WK 100 CFM Diesel Powered Portable Air Compressor	501.03	
01 22 23 00-0113 MO 100 CFM Diesel Powered Portable Air Compressor	1,391.75	
01 22 23 00-0114 DAY 130 CFM Diesel Powered Portable Air Compressor	200.41	
01 22 23 00-0115 WK 130 CFM Diesel Powered Portable Air Compressor	590.10	
01 22 23 00-0116 MO 130 CFM Diesel Powered Portable Air Compressor	1,670.10	
01 22 23 00-0117 DAY 185 CFM Diesel Powered Portable Air Compressor	267.22	
01 22 23 00-0118 WK 185 CFM Diesel Powered Portable Air Compressor	601.24	
01 22 23 00-0119 MO 185 CFM Diesel Powered Portable Air Compressor	1,324.95	
01 22 23 00-0120 DAY 375 CFM Diesel Powered Portable Air Compressor	378.56	
01 22 23 00-0121 WK 375 CFM Diesel Powered Portable Air Compressor	957.52	
01 22 23 00-0122 MO 375 CFM Diesel Powered Portable Air Compressor	2,282.47	
01 22 23 00-0123 DAY 600 CFM Diesel Powered Portable Air Compressor	841.73	
01 22 23 00-0124 WK 600 CFM Diesel Powered Portable Air Compressor	2,026.39	
01 22 23 00-0125 MO 600 CFM Diesel Powered Portable Air Compressor	5,050.38	
01 22 23 00-0126 DAY 750 CFM Diesel Powered Portable Air Compressor	1,013.19	
01 22 23 00-0127 WK 750 CFM Diesel Powered Portable Air Compressor	2,494.02	
01 22 23 00-0128 MO 750 CFM Diesel Powered Portable Air Compressor	6,123.70	
01 22 23 00-0129 DAY 825 CFM Diesel Powered Portable Air Compressor	1,013.19	
01 22 23 00-0130 WK 825 CFM Diesel Powered Portable Air Compressor	2,494.02	
01 22 23 00-0131 MO 825 CFM Diesel Powered Portable Air Compressor	6,123.70	
01 22 23 00-0132 DAY 1,300 CFM Diesel Powered Portable Air Compressor	1,180.20	
01 22 23 00-0133 WK 1,300 CFM Diesel Powered Portable Air Compressor	2,645.44	
01 22 23 00-0134 MO 1,300 CFM Diesel Powered Portable Air Compressor	7,054.50	
01 22 23 00-0135 DAY 1,600 CFM Diesel Powered Portable Air Compressor	1,469.69	
01 22 23 00-0136 WK 1,600 CFM Diesel Powered Portable Air Compressor	3,306.80	
01 22 23 00-0137 MO 1,600 CFM Diesel Powered Portable Air Compressor	8,818.13	
01 22 23 00-0138 Negative Air Machines (01 22 23 00-0109) Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0139 DAY Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	56.00	
01 22 23 00-0140 WK Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	230.00	
01 22 23 00-0141 MO Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And HEPA Filter	695.00	
01 22 23 00-0142 EA Replacement HEPA Filter, 99.99% Efficient @ 0.3 Micron For Negative Air Machine Note: Required if over 800 hours operation.	199.87	
01 22 23 00-0143 LF Discharge Flexible Duct For Negative Air Machine	1.23	
01 22 23 00-0144 Compaction And Paving Equipment (01 22 23)		
01 22 23 00-0145 Pavers And Rollers (01 22 23 00-0144) Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0146 Pavers (01 22 23 00-0145)		
01 22 23 00-0147 DAY 10' Wide Paving Machine With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,593.70	-612.13
01 22 23 00-0148 WK 10' Wide Paving Machine With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,005.35	-3,060.63
01 22 23 00-0149 MO 10' Wide Paving Machine With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,483.84	-13,192.38
01 22 23 00-0150 Ride-On Self-Propelled, Rubber Tire Rollers (01 22 23 00-0145)		
01 22 23 00-0151 DAY 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,027.15	-612.13
01 22 23 00-0152 WK 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,315.87	-3,060.63
01 22 23 00-0153 MO 10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,599.89	-13,192.38
01 22 23 00-0154 DAY 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,187.33	-612.13
01 22 23 00-0155 WK 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,503.05	-3,060.63
01 22 23 00-0156 MO 15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,398.30	-13,192.38
01 22 23 00-0157 DAY 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,194.61	-612.13
01 22 23 00-0158 WK 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,033.78	-3,060.63
01 22 23 00-0159 MO 30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,747.78	-13,192.38
01 22 23 00-0160 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0145)		

01	General Requirements
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0161 DAY 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,092.68 -612.13	
01 22 23 00-0162 WK 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,393.05 -3,060.63	
01 22 23 00-0163 MO 5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,044.03 -13,192.38	
01 22 23 00-0164 DAY 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,398.48 -612.13	
01 22 23 00-0165 WK 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,011.94 -3,060.63	
01 22 23 00-0166 MO 8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	18,995.34 -13,192.38	
01 22 23 00-0167 DAY 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,471.29 -612.13	
01 22 23 00-0168 WK 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,470.64 -3,060.63	
01 22 23 00-0169 MO 10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	20,276.79 -13,192.38	
01 22 23 00-0170 Towed, Padfoot Rollers (01 22 23 00-0145)		
01 22 23 00-0171 DAY 48" Wide, 40" Diameter, Towed Padfoot Roller	138.34	
01 22 23 00-0172 WK 48" Wide, 40" Diameter, Towed Padfoot Roller	400.46	
01 22 23 00-0173 MO 48" Wide, 40" Diameter, Towed Padfoot Roller	1,179.52	
01 22 23 00-0174 DAY 60" Wide, 60" Diameter, Towed Padfoot Roller	174.74	
01 22 23 00-0175 WK 60" Wide, 60" Diameter, Towed Padfoot Roller	487.83	
01 22 23 00-0176 MO 60" Wide, 60" Diameter, Towed Padfoot Roller	2,075.08	
01 22 23 00-0177 Static Rollers (01 22 23 00-0145)		
01 22 23 00-0178 DAY 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,129.08 -612.13	
01 22 23 00-0179 WK 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,706.14 -3,060.63	
01 22 23 00-0180 MO 5 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,070.65 -13,192.38	
01 22 23 00-0181 DAY 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,289.26 -612.13	
01 22 23 00-0182 WK 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,143.00 -3,060.63	
01 22 23 00-0183 MO 8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,279.30 -13,192.38	
01 22 23 00-0184 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers (01 22 23 00-0145)		
01 22 23 00-0185 DAY 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,078.11 -612.13	
01 22 23 00-0186 WK 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,436.74 -3,060.63	
01 22 23 00-0187 MO 5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,832.88 -13,192.38	
01 22 23 00-0188 DAY 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,172.77 -612.13	
01 22 23 00-0189 WK 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,713.42 -3,060.63	
01 22 23 00-0190 MO 8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	17,553.70 -13,192.38	
01 22 23 00-0191 DAY 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,362.07 -612.13	
01 22 23 00-0192 WK 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,266.77 -3,060.63	
01 22 23 00-0193 MO 11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	19,017.18 -13,192.38	
01 22 23 00-0194 Steel Plates (01 22 23 00-0144)		
Note: 3 day minimum.		
01 22 23 00-0195 DAY 1" x 4' x 8' Steel Plate	18.75	
01 22 23 00-0196 WK 1" x 4' x 8' Steel Plate	44.27	
01 22 23 00-0197 MO 1" x 4' x 8' Steel Plate	58.26	
01 22 23 00-0198 DAY 1" x 4' x 10' Steel Plate	25.00	
01 22 23 00-0199 WK 1" x 4' x 10' Steel Plate	56.25	
01 22 23 00-0200 MO 1" x 4' x 10' Steel Plate	68.75	
01 22 23 00-0201 DAY 1" x 5' x 10' Steel Plate	26.04	
01 22 23 00-0202 WK 1" x 5' x 10' Steel Plate	58.85	
01 22 23 00-0203 MO 1" x 5' x 10' Steel Plate	156.24	
01 22 23 00-0204 DAY 1" x 6' x 8' Steel Plate	16.67	
01 22 23 00-0205 WK 1" x 6' x 8' Steel Plate	37.50	
01 22 23 00-0206 MO 1" x 6' x 8' Steel Plate	99.99	
01 22 23 00-0207 DAY 1" x 6' x 10' Steel Plate	31.25	
01 22 23 00-0208 WK 1" x 6' x 10' Steel Plate	41.14	
01 22 23 00-0209 MO 1" x 6' x 10' Steel Plate	109.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0210	DAY	1"	6' x 12' Steel Plate	43.75	
01 22 23 00-0211	WK	1"	6' x 12' Steel Plate	55.99	
01 22 23 00-0212	MO	1"	6' x 12' Steel Plate	151.55	
01 22 23 00-0213	DAY	1"	8' x 10' Steel Plate	27.60	
01 22 23 00-0214	WK	1"	8' x 10' Steel Plate	61.98	
01 22 23 00-0215	MO	1"	8' x 10' Steel Plate	165.09	
01 22 23 00-0216	DAY	1"	8' x 12' Steel Plate	50.00	
01 22 23 00-0217	WK	1"	8' x 12' Steel Plate	61.98	
01 22 23 00-0218	MO	1"	8' x 12' Steel Plate	299.98	
01 22 23 00-0219	DAY	1"	8' x 16' Steel Plate	66.66	
01 22 23 00-0220	WK	1"	8' x 16' Steel Plate	149.99	
01 22 23 00-0221	MO	1"	8' x 16' Steel Plate	399.97	
01 22 23 00-0222	DAY	1-1/4"	8' x 10' Steel Plate	33.12	
01 22 23 00-0223	WK	1-1/4"	8' x 10' Steel Plate	74.37	
01 22 23 00-0224	MO	1-1/4"	8' x 10' Steel Plate	198.11	
01 22 23 00-0225	DAY	1-1/2"	8' x 15' Steel Plate	76.66	
01 22 23 00-0226	WK	1-1/2"	8' x 15' Steel Plate	172.49	
01 22 23 00-0227	MO	1-1/2"	8' x 15' Steel Plate	459.97	
01 22 23 00-0228	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	1.65	0.84
01 22 23 00-0229	EA		Remove And Reset Trench Plate	22.51	
01 22 23 00-0230 Street Sweepers (01 22 23 00-0144)					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0231	DAY	8'	Broom Sweeper With Full-Time Operator	811.36	
			<i>For Equipment Without Operator, Deduct</i>	-572.77	
01 22 23 00-0232	WK	8'	Broom Sweeper With Full-Time Operator	3,510.71	
			<i>For Equipment Without Operator, Deduct</i>	-2,863.87	
01 22 23 00-0233	MO	8'	Broom Sweeper With Full-Time Operator	14,396.15	
			<i>For Equipment Without Operator, Deduct</i>	-12,344.28	
01 22 23 00-0234	DAY		Self-Propelled Street Sweeper With Hopper And Full-Time Operator	1,032.50	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-572.77	
01 22 23 00-0235	WK		Self-Propelled Street Sweeper With Hopper And Full-Time Operator	4,962.72	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-2,863.87	
01 22 23 00-0236	MO		Self-Propelled Street Sweeper With Hopper And Full-Time Operator	20,315.33	
			Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
			<i>For Equipment Without Operator, Deduct</i>	-12,344.28	
01 22 23 00-0237 Earthmoving Equipment (01 22 23)					
01 22 23 00-0238 Skid-Steer Loaders (Bobcat) (01 22 23 00-0237)					
Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.					
01 22 23 00-0239	DAY	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	875.87		
		<i>For Equipment Without Operator, Deduct</i>	-572.77		
01 22 23 00-0240	WK	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,659.03		
		<i>For Equipment Without Operator, Deduct</i>	-2,863.87		
01 22 23 00-0241	MO	700 LB Capacity, 36" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	14,259.26		
		<i>For Equipment Without Operator, Deduct</i>	-12,344.28		
01 22 23 00-0242	DAY	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	955.77		
		<i>For Equipment Without Operator, Deduct</i>	-572.77		
01 22 23 00-0243	WK	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	3,803.61		
		<i>For Equipment Without Operator, Deduct</i>	-2,863.87		
01 22 23 00-0244	MO	1,500 LB Capacity, 60" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	14,576.31		
		<i>For Equipment Without Operator, Deduct</i>	-12,344.28		
01 22 23 00-0245	DAY	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	1,003.31		
		<i>For Equipment Without Operator, Deduct</i>	-597.49		
01 22 23 00-0246	WK	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	4,135.19		
		<i>For Equipment Without Operator, Deduct</i>	-2,987.47		
01 22 23 00-0247	MO	2,400 LB Capacity, 72" Wide, Skid-Steer Loader (Bobcat) With Full-Time Operator	15,660.74		
		<i>For Equipment Without Operator, Deduct</i>	-12,877.04		
01 22 23 00-0248	DAY	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,067.37		
		<i>For Equipment Without Operator, Deduct</i>	-572.77		
01 22 23 00-0249	WK	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	4,303.28		
		<i>For Equipment Without Operator, Deduct</i>	-2,863.87		
01 22 23 00-0250	MO	2,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	16,091.81		
		<i>For Equipment Without Operator, Deduct</i>	-12,344.28		
01 22 23 00-0251	DAY	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	1,244.27		
		<i>For Equipment Without Operator, Deduct</i>	-597.49		
01 22 23 00-0252	WK	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	5,003.91		
		<i>For Equipment Without Operator, Deduct</i>	-2,987.47		
01 22 23 00-0253	MO	3,000 LB Capacity, 78" Wide, Tracked Skid-Steer Loader (Bobcat) With Full-Time Operator	18,044.96		
		<i>For Equipment Without Operator, Deduct</i>	-12,877.04		
01 22 23 00-0254	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	253.64		
01 22 23 00-0255	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	843.35		
01 22 23 00-0256	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,244.71		
01 22 23 00-0257	DAY	Forklift Attachment For Skid-Steer Loaders	54.53		
01 22 23 00-0258	WK	Forklift Attachment For Skid-Steer Loaders	145.84		
01 22 23 00-0259	MO	Forklift Attachment For Skid-Steer Loaders	412.16		
01 22 23 00-0260	DAY	Backhoe Attachment For Skid-Steer Loaders	120.48		

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01 22 23 00-0261	WK		Backhoe Attachment For Skid-Steer Loaders.....	289.15	
01 22 23 00-0262	MO		Backhoe Attachment For Skid-Steer Loaders.....	719.07	
01 22 23 00-0263	DAY		Broom Attachment For Skid-Steer Loaders.....	119.21	
01 22 23 00-0264	WK		Broom Attachment For Skid-Steer Loaders.....	323.39	
01 22 23 00-0265	MO		Broom Attachment For Skid-Steer Loaders.....	856.04	
01 22 23 00-0266	DAY		9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	79.90	
01 22 23 00-0267	WK		9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	253.64	
01 22 23 00-0268	MO		9", 12", Or 16" Auger Attachment For Skid-Steer Loaders.....	602.40	
01 22 23 00-0269			Bulldozers <small>(01 22 23 00-0237)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0270	DAY		70 HP, D3 Bulldozer With Full-Time Operator.....	996.70	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0271	WK		70 HP, D3 Bulldozer With Full-Time Operator.....	4,577.13	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0272	MO		70 HP, D3 Bulldozer With Full-Time Operator.....	17,691.10	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0273	DAY		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	1,178.10	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0274	WK		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	5,309.99	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0275	MO		90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator.....	19,940.46	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0276	DAY		140 HP, D6 Bulldozer With Full-Time Operator.....	1,693.27	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0277	WK		140 HP, D6 Bulldozer With Full-Time Operator.....	7,370.69	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0278	MO		140 HP, D6 Bulldozer With Full-Time Operator.....	26,108.06	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0279	DAY		200 HP, D7 Bulldozer With Full-Time Operator.....	2,150.40	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0280	WK		200 HP, D7 Bulldozer With Full-Time Operator.....	9,206.46	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0281	MO		200 HP, D7 Bulldozer With Full-Time Operator.....	31,622.62	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0282	DAY		335 HP, D8 Bulldozer With Full-Time Operator.....	2,694.60	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0283	WK		335 HP, D8 Bulldozer With Full-Time Operator.....	11,383.26	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0284	MO		335 HP, D8 Bulldozer With Full-Time Operator.....	38,153.02	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0285	DAY		460 HP, D9 Bulldozer With Full-Time Operator.....	2,999.35	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0286	WK		460 HP, D9 Bulldozer With Full-Time Operator.....	12,595.01	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0287	MO		460 HP, D9 Bulldozer With Full-Time Operator.....	41,781.02	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0288			Motor Scraper <small>(01 22 23 00-0237)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0289	DAY		11 CY Motor Scraper-Hauler With Full-Time Operator.....	1,498.06	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0290	WK		11 CY Motor Scraper-Hauler With Full-Time Operator.....	6,604.34	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0291	MO		11 CY Motor Scraper-Hauler With Full-Time Operator.....	23,811.38	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0292	DAY		18 CY Motor Scraper-Hauler With Full-Time Operator.....	1,856.07	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0293	WK		18 CY Motor Scraper-Hauler With Full-Time Operator.....	8,036.39	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0294	MO		18 CY Motor Scraper-Hauler With Full-Time Operator.....	28,119.66	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0295	DAY		24 CY Motor Scraper-Hauler With Full-Time Operator.....	2,201.95	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0296	WK		24 CY Motor Scraper-Hauler With Full-Time Operator.....	9,413.83	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0297	MO		24 CY Motor Scraper-Hauler With Full-Time Operator.....	32,245.90	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0298			Hydraulic Excavators <small>(01 22 23 00-0237)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0299	DAY		3/8 CY Hydraulic Excavator With Full-Time Operator.....	949.04	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0300	WK		3/8 CY Hydraulic Excavator With Full-Time Operator.....	4,252.28	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0301	MO		3/8 CY Hydraulic Excavator With Full-Time Operator.....	17,185.34	
			<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0302	DAY		1/2 CY Hydraulic Excavator With Full-Time Operator.....	1,043.87	
			<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0303	WK		1/2 CY Hydraulic Excavator With Full-Time Operator.....	4,670.29	
			<i>For Equipment Without Operator, Deduct</i>	-3,060.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0304 MO 1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	18,857.39 -13,192.38	
01 22 23 00-0305 DAY 5/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,073.82 -612.13	
01 22 23 00-0306 WK 5/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,826.27 -3,060.63	
01 22 23 00-0307 MO 5/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,131.91 -13,192.38	
01 22 23 00-0308 DAY 3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,105.01 -612.13	
01 22 23 00-0309 WK 3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,969.76 -3,060.63	
01 22 23 00-0310 MO 3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,406.42 -13,192.38	
01 22 23 00-0311 DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,129.97 -612.13	
01 22 23 00-0312 WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	5,119.50 -3,060.63	
01 22 23 00-0313 MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	19,680.94 -13,192.38	
01 22 23 00-0314 DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,466.87 -612.13	
01 22 23 00-0315 WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,460.89 -3,060.63	
01 22 23 00-0316 MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	23,393.14 -13,192.38	
01 22 23 00-0317 DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,516.79 -612.13	
01 22 23 00-0318 WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	6,679.25 -3,060.63	
01 22 23 00-0319 MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	24,048.24 -13,192.38	
01 22 23 00-0320 DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,610.37 -612.13	
01 22 23 00-0321 WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,053.59 -3,060.63	
01 22 23 00-0322 MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	25,171.26 -13,192.38	
01 22 23 00-0323 DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,716.43 -612.13	
01 22 23 00-0324 WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,471.60 -3,060.63	
01 22 23 00-0325 MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	26,419.06 -13,192.38	
01 22 23 00-0326 DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,747.63 -612.13	
01 22 23 00-0327 WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	7,596.38 -3,060.63	
01 22 23 00-0328 MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	26,793.40 -13,192.38	
01 22 23 00-0329 DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,047.10 -612.13	
01 22 23 00-0330 WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,800.51 -3,060.63	
01 22 23 00-0331 MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	30,412.02 -13,192.38	
01 22 23 00-0332 DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	2,477.59 -612.13	
01 22 23 00-0333 WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	10,510.00 -3,060.63	
01 22 23 00-0334 MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	35,528.00 -13,192.38	
01 22 23 00-0335 DAY Thumbs Or Grapple Attachment For Hydraulic Excavators.....	87.35	
01 22 23 00-0336 WK Thumbs Or Grapple Attachment For Hydraulic Excavators.....	336.91	
01 22 23 00-0337 MO Thumbs Or Grapple Attachment For Hydraulic Excavators.....	998.24	
01 22 23 00-0338 DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	386.82	
01 22 23 00-0339 WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,023.20	
01 22 23 00-0340 MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,863.70	
01 22 23 00-0341 DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	598.94	
01 22 23 00-0342 WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	1,528.56	
01 22 23 00-0343 MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	3,974.24	
01 22 23 00-0344 DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	836.03	
01 22 23 00-0345 WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	2,252.28	
01 22 23 00-0346 MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators.....	6,313.87	
01 22 23 00-0347 DAY 24" Compaction Wheel Attachment For Hydraulic Excavators.....	174.69	
01 22 23 00-0348 WK 24" Compaction Wheel Attachment For Hydraulic Excavators.....	698.77	
01 22 23 00-0349 MO 24" Compaction Wheel Attachment For Hydraulic Excavators.....	2,096.30	
01 22 23 00-0350 DAY 36" Compaction Wheel Attachment For Hydraulic Excavators.....	249.56	
01 22 23 00-0351 WK 36" Compaction Wheel Attachment For Hydraulic Excavators.....	998.24	
01 22 23 00-0352 MO 36" Compaction Wheel Attachment For Hydraulic Excavators.....	2,994.72	
01 22 23 00-0353 DAY 48" Compaction Wheel Attachment For Hydraulic Excavators.....	274.52	
01 22 23 00-0354 WK 48" Compaction Wheel Attachment For Hydraulic Excavators.....	1,085.59	
01 22 23 00-0355 MO 48" Compaction Wheel Attachment For Hydraulic Excavators.....	3,244.28	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0356		Mini-Excavators <small>(01 22 23 00-0237)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0357	DAY	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	874.17
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0358	WK	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	3,803.07
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0359	MO	2,000 LB Mini-Excavator With Full-Time Operator (Bobcat 316)	14,827.00
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0360	DAY	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	880.41
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0361	WK	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	3,821.79
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0362	MO	3,500 LB Mini-Excavator With Full-Time Operator (Bobcat 322 Or 323)	15,220.06
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0363	DAY	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	911.60
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0364	WK	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	3,909.13
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0365	MO	6,000 LB Mini-Excavator With Full-Time Operator (Bobcat 325 Or 328)	15,276.21
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0366	DAY	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	924.08
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0367	WK	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	3,952.81
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0368	MO	7,500 LB Mini-Excavator With Full-Time Operator (Bobcat 329, 331 Or 334)	15,301.16
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0369	DAY	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	998.95
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0370	WK	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	4,015.20
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0371	MO	9,500 LB Mini-Excavator With Full-Time Operator (Bobcat 335)	16,024.89
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0372	DAY	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	1,005.19
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0373	WK	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	4,327.15
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0374	MO	11,000 LB Mini-Excavator With Full-Time Operator (Bobcat 337)	16,056.08
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0375		Gradall, Telescopic Hydraulic Excavators <small>(01 22 23 00-0237)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0376	DAY	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	1,455.58
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0377	WK	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	5,275.45
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0378	MO	Gradall, Telescopic Hydraulic Excavator With Full-Time Operator	19,952.13
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0379		Road Graders <small>(01 22 23 00-0237)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0380	DAY	60 HP Road Grader With Full-Time Operator	1,113.83
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0381	WK	60 HP Road Grader With Full-Time Operator	4,417.80
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0382	MO	60 HP Road Grader With Full-Time Operator	17,251.02
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0383	DAY	80 HP Road Grader With Full-Time Operator	1,261.77
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0384	WK	80 HP Road Grader With Full-Time Operator	4,829.45
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0385	MO	80 HP Road Grader With Full-Time Operator	18,498.85
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0386	DAY	130 HP Road Grader With Full-Time Operator	1,364.56
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0387	WK	130 HP Road Grader With Full-Time Operator	5,287.59
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0388	MO	130 HP Road Grader With Full-Time Operator	19,867.18
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0389		Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0237)</small>	
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0390	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,107.23
		<i>For Equipment Without Operator, Deduct</i>	-612.13
01 22 23 00-0391	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	4,236.48
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63
01 22 23 00-0392	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	15,959.61
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38
01 22 23 00-0393	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,160.27
		<i>For Equipment Without Operator, Deduct</i>	-612.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0394 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	4,422.14	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0395 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	17,091.26	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0396 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,242.05	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0397 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	4,625.49	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0398 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	17,674.77	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0399 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,606.74	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0400 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	5,712.93	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0401 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	20,786.80	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0402 Heavy Duty Construction Loaders <small>(01 22 23 00-0237)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0403 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,099.53	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0404 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	4,987.74	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0405 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	18,966.22	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0406 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	1,504.45	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0407 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	5,430.16	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0408 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	19,191.18	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0409 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	1,594.43	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0410 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	5,670.11	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0411 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	19,791.06	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0412 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	1,841.88	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0413 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	11,308.98	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0414 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	21,440.73	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0415 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	2,479.26	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0416 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	10,514.14	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0417 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	35,537.91	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0418 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	6,678.34	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0419 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	22,758.98	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0420 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	66,875.72	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0421 Shoring <small>(01 22 23 00-0237)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0422 Aluminum Hydraulic Shoring <small>(01 22 23 00-0421)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.</i>		
01 22 23 00-0423 WK 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	30.17	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0424 MO 2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	88.99	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0425 WK Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	40.47	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0426 MO Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring	119.38	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0427 WK Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	75.05	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0428 MO Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring	221.40	
<i>Note: Up to 88" spread width.</i>		
01 22 23 00-0429 EA Set-up And Remove Aluminum Hydraulic Shores, 1 Cylinder	21.35	
01 22 23 00-0430 EA Set-up And Remove Aluminum Hydraulic Shores, 2 Cylinders.....	34.16	
01 22 23 00-0431 EA Set-up And Remove Aluminum Hydraulic Shores, 3 Cylinders.....	56.93	
01 22 23 00-0432 Trench Boxes/Trench Shields <small>(01 22 23 00-0237)</small>		
<i>Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.</i>		
01 22 23 00-0433 WK 4' x 6' Trench Box With Up To 48" Spreaders.....	162.38	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0434	MO	4' x 6' Trench Box With Up To 48" Spreaders.....	487.13	
01 22 23 00-0435	WK	6' x 6' Trench Box With Up To 48" Spreaders.....	183.33	
01 22 23 00-0436	MO	6' x 6' Trench Box With Up To 48" Spreaders.....	549.99	
01 22 23 00-0437	WK	8' x 6' Trench Box With Up To 48" Spreaders.....	193.81	
01 22 23 00-0438	MO	8' x 6' Trench Box With Up To 48" Spreaders.....	581.42	
01 22 23 00-0439	WK	4' x 8' Trench Box With Up To 48" Spreaders.....	178.09	
01 22 23 00-0440	MO	4' x 8' Trench Box With Up To 48" Spreaders.....	534.28	
01 22 23 00-0441	WK	6' x 8' Trench Box With Up To 48" Spreaders.....	209.52	
01 22 23 00-0442	MO	6' x 8' Trench Box With Up To 48" Spreaders.....	628.56	
01 22 23 00-0443	WK	8' x 8' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0444	MO	8' x 8' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0445	WK	4' x 10' Trench Box With Up To 48" Spreaders.....	199.04	
01 22 23 00-0446	MO	4' x 10' Trench Box With Up To 48" Spreaders.....	597.13	
01 22 23 00-0447	WK	6' x 10' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0448	MO	6' x 10' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0449	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0450	MO	8' x 10' Trench Box With Up To 48" Spreaders.....	859.03	
01 22 23 00-0451	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	235.71	
01 22 23 00-0452	MO	4' x 12' Trench Box With Up To 48" Spreaders.....	707.13	
01 22 23 00-0453	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0454	MO	6' x 12' Trench Box With Up To 48" Spreaders.....	864.27	
01 22 23 00-0455	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	366.66	
01 22 23 00-0456	MO	8' x 12' Trench Box With Up To 48" Spreaders.....	1,099.98	
01 22 23 00-0457	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	261.90	
01 22 23 00-0458	MO	4' x 14' Trench Box With Up To 48" Spreaders.....	785.70	
01 22 23 00-0459	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	340.47	
01 22 23 00-0460	MO	6' x 14' Trench Box With Up To 48" Spreaders.....	1,021.41	
01 22 23 00-0461	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	419.04	
01 22 23 00-0462	MO	8' x 14' Trench Box With Up To 48" Spreaders.....	1,257.12	
01 22 23 00-0463	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	288.09	
01 22 23 00-0464	MO	4' x 16' Trench Box With Up To 48" Spreaders.....	864.27	
01 22 23 00-0465	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	392.85	
01 22 23 00-0466	MO	6' x 16' Trench Box With Up To 48" Spreaders.....	1,178.55	
01 22 23 00-0467	WK	8' x 16' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0468	MO	8' x 16' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0469	WK	4' x 20' Trench Box With Up To 48" Spreaders.....	340.47	
01 22 23 00-0470	MO	4' x 20' Trench Box With Up To 48" Spreaders.....	1,021.41	
01 22 23 00-0471	WK	6' x 20' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0472	MO	6' x 20' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0473	WK	8' x 20' Trench Box With Up To 48" Spreaders.....	549.99	
01 22 23 00-0474	MO	8' x 20' Trench Box With Up To 48" Spreaders.....	1,649.97	
01 22 23 00-0475	WK	4' x 24' Trench Box With Up To 48" Spreaders.....	471.42	
01 22 23 00-0476	MO	4' x 24' Trench Box With Up To 48" Spreaders.....	1,414.26	
01 22 23 00-0477	WK	6' x 24' Trench Box With Up To 48" Spreaders.....	576.18	
01 22 23 00-0478	MO	6' x 24' Trench Box With Up To 48" Spreaders.....	1,728.54	
01 22 23 00-0479	WK	8' x 24' Trench Box With Up To 48" Spreaders.....	628.56	
01 22 23 00-0480	MO	8' x 24' Trench Box With Up To 48" Spreaders.....	1,885.68	
01 22 23 00-0481	WK	For Spreaders >48" To 84", Add.....	15.71	
01 22 23 00-0482	MO	For Spreaders >48" To 84", Add.....	47.14	
01 22 23 00-0483	WK	For Spreaders >84" To 120", Add.....	94.28	
01 22 23 00-0484	MO	For Spreaders >84" To 120", Add.....	282.85	
01 22 23 00-0485	WK	For Spreaders >120", Add.....	199.04	
01 22 23 00-0486	MO	For Spreaders >120", Add.....	597.13	
01 22 23 00-0487	WK	8' x 4' Manhole Box.....	247.50	
01 22 23 00-0488	MO	8' x 4' Manhole Box.....	742.49	
01 22 23 00-0489	WK	8' x 8' Manhole Box.....	353.57	
01 22 23 00-0490	MO	8' x 8' Manhole Box.....	1,060.70	

01 22 23 00-0491 Trenchers (01 22 23 00-0237)

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

01 22 23 00-0492	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	971.06	
		<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0493	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	4,283.23	
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0494	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	16,557.33	
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0495	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,576.75	
		<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0496	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	6,324.63	
		<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0497	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	22,165.58	
		<i>For Equipment Without Operator, Deduct</i>	-13,192.38	

01 22 23 00-0498 Heavy Equipment Mats (01 22 23 00-0237)

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

01 22 23 00-0499	Day	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	20.00	
01 22 23 00-0500	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	47.62	
01 22 23 00-0501	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	100.00	
01 22 23 00-0502	Day	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	21.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0503	WK	16'	Width x 8'	Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	50.00	
01 22 23 00-0504	MO	16'	Width x 8'	Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	105.00	
01 22 23 00-0505	Day	16'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	17.00	
01 22 23 00-0506	WK	16'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	40.00	
01 22 23 00-0507	MO	16'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	85.00	
01 22 23 00-0508	Day	18'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	19.00	
01 22 23 00-0509	WK	18'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	45.00	
01 22 23 00-0510	MO	18'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	95.00	
01 22 23 00-0511	Day	20'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	21.00	
01 22 23 00-0512	WK	20'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	50.00	
01 22 23 00-0513	MO	20'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	105.00	
01 22 23 00-0514	Day	24'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.00	
01 22 23 00-0515	WK	24'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	54.76	
01 22 23 00-0516	MO	24'	Width x 4'	Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	115.00	
01 22 23 00-0517	Day	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	18.00	
01 22 23 00-0518	WK	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	
01 22 23 00-0519	MO	12'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	90.00	
01 22 23 00-0520	Day	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	21.00	
01 22 23 00-0521	WK	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	50.00	
01 22 23 00-0522	MO	16'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	105.00	
01 22 23 00-0523	Day	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	25.00	
01 22 23 00-0524	WK	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	55.00	
01 22 23 00-0525	MO	20'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	125.00	
01 22 23 00-0526	Day	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	27.00	
01 22 23 00-0527	WK	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	64.29	
01 22 23 00-0528	MO	24'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	135.00	
01 22 23 00-0529	Day	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	29.00	
01 22 23 00-0530	WK	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	69.05	
01 22 23 00-0531	MO	28'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	145.00	
01 22 23 00-0532	Day	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	30.00	
01 22 23 00-0533	WK	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	71.43	
01 22 23 00-0534	MO	30'	Width x 4'	Length, 12" Thick Hardwood Timbers, Crane Mat.....	150.00	
01 22 23 00-0535	Day	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	9.62	
01 22 23 00-0536	WK	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	24.05	
01 22 23 00-0537	MO	14'	Width x 8'	Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™).....	72.15	
01 22 23 00-0538	Day	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	11.50	
01 22 23 00-0539	WK	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	28.75	
01 22 23 00-0540	MO	14'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	86.25	
01 22 23 00-0541	Day	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	13.13	
01 22 23 00-0542	WK	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	32.83	
01 22 23 00-0543	MO	16'	Width x 8'	Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	98.50	
01 22 23 00-0544	Day	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.00	
01 22 23 00-0545	WK	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.00	
01 22 23 00-0546	MO	14'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	105.00	
01 22 23 00-0547	Day	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.00	
01 22 23 00-0548	WK	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	40.00	
01 22 23 00-0549	MO	16'	Width x 8'	Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	120.00	
01 22 23 00-0550	Day	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	18.39	
01 22 23 00-0551	WK	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	45.97	
01 22 23 00-0552	MO	16'	Width x 8'	Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	137.90	
01 22 23 00-0553	Day	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	14.15	
01 22 23 00-0554	WK	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	35.37	
01 22 23 00-0555	MO	24'	Width x 4'	Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™).....	106.10	
01 22 23 00-0556	Day	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	19.15	
01 22 23 00-0557	WK	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	47.88	
01 22 23 00-0558	MO	30'	Width x 4'	Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	143.65	
01 22 23 00-0559	Day	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	16.56	
01 22 23 00-0560	WK	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	41.40	
01 22 23 00-0561	MO	24'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	124.20	
01 22 23 00-0562	Day	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	27.62	
01 22 23 00-0563	WK	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	69.05	
01 22 23 00-0564	MO	40'	Width x 4'	Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™).....	207.14	
01 22 23 00-0565	Day	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	29.44	
01 22 23 00-0566	WK	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	73.60	
01 22 23 00-0567	MO	40'	Width x 4'	Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™).....	220.80	

01 22 23 00-0568

Electrical Equipment (01 22 23)

01 22 23 00-0569

Tripod Mounted Floodlights (01 22 23 00-0568)

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

01 22 23 00-0570	DAY	500	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	59.56
01 22 23 00-0571	WK	500	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	140.91
01 22 23 00-0572	MO	500	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	297.80
01 22 23 00-0573	DAY	1,000	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	59.56
01 22 23 00-0574	WK	1,000	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	174.32
01 22 23 00-0575	MO	1,000	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	515.71
01 22 23 00-0576	DAY	2,000	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	66.82
01 22 23 00-0577	WK	2,000	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	181.59
01 22 23 00-0578	MO	2,000	Watt, 115	Volt, 2	Lamp, Portable Light Stand With Tripod.....	443.07

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0579	Trailer Mounted Floodlights <small>(01 22 23 00-0568)</small>	
	Note: Includes delivery to job site and pick-up when complete. Excludes operator.	
01 22 23 00-0580	DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	167.06
01 22 23 00-0581	WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	370.44
01 22 23 00-0582	MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	798.98

01 22 23 00-0583 **Generator Sets** (01 22 23 00-0568)

01 22 23 00-0584 **Portable, Gas Or Diesel Powered Generator Sets** (01 22 23 00-0583)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0667 for reimbursable fuel fees.

01 22 23 00-0585	DAY 3.6 KW, 8 HP Gas Powered Generator Set	42.79
	<i>For LP Or NG Gas, Add</i>	5.35
01 22 23 00-0586	WK 3.6 KW, 8 HP Gas Powered Generator Set	154.26
	<i>For LP Or NG Gas, Add</i>	19.28
01 22 23 00-0587	MO 3.6 KW, 8 HP Gas Powered Generator Set	427.94
	<i>For LP Or NG Gas, Add</i>	53.49
01 22 23 00-0588	DAY 5 KW, 11 HP Gas Powered Generator Set	60.71
	<i>For LP Or NG Gas, Add</i>	7.59
01 22 23 00-0589	WK 5 KW, 11 HP Gas Powered Generator Set	194.06
	<i>For LP Or NG Gas, Add</i>	24.26
01 22 23 00-0590	MO 5 KW, 11 HP Gas Powered Generator Set	442.86
	<i>For LP Or NG Gas, Add</i>	55.36
01 22 23 00-0591	DAY 6.5 KW, 13 HP Gas Powered Generator Set	77.63
	<i>For LP Or NG Gas, Add</i>	9.70
01 22 23 00-0592	WK 6.5 KW, 13 HP Gas Powered Generator Set	208.99
	<i>For LP Or NG Gas, Add</i>	26.12
01 22 23 00-0593	MO 6.5 KW, 13 HP Gas Powered Generator Set	577.22
	<i>For LP Or NG Gas, Add</i>	72.15
01 22 23 00-0594	DAY 10 KW, 18 HP Gas Powered Generator Set	86.58
	<i>For LP Or NG Gas, Add</i>	10.82
01 22 23 00-0595	WK 10 KW, 18 HP Gas Powered Generator Set	233.87
	<i>For LP Or NG Gas, Add</i>	29.23
01 22 23 00-0596	MO 10 KW, 18 HP Gas Powered Generator Set	671.76
	<i>For LP Or NG Gas, Add</i>	83.97

01 22 23 00-0597 **Towable, Diesel Powered Generator Sets** (01 22 23 00-0583)

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0667 for reimbursable fuel fees.

01 22 23 00-0598	DAY 20 KW, 60 Hertz Diesel Powered Generator Set	178.14
	Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	
01 22 23 00-0599	WK 20 KW, 60 Hertz Diesel Powered Generator Set	465.75
	Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	
01 22 23 00-0600	MO 20 KW, 60 Hertz Diesel Powered Generator Set	1,268.88
	Note: Fuel consumption: 100% load - 1.7 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 1.0 gallons per hour.	
01 22 23 00-0601	DAY 40.0 KW, 60 Hertz Diesel Powered Generator Set	198.45
	Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	
01 22 23 00-0602	WK 40.0 KW, 60 Hertz Diesel Powered Generator Set	446.98
	Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	
01 22 23 00-0603	MO 40.0 KW, 60 Hertz Diesel Powered Generator Set	1,190.70
	Note: Fuel consumption: 100% load - 3.1 gallons per hour, 75% load - 2.3 gallons per hour, 50% load - 1.7 gallons per hour.	
01 22 23 00-0604	DAY 70.0 KW, 60 Hertz Diesel Powered Generator Set	259.88
	Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	
01 22 23 00-0605	WK 70.0 KW, 60 Hertz Diesel Powered Generator Set	582.75
	Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	
01 22 23 00-0606	MO 70.0 KW, 60 Hertz Diesel Powered Generator Set	1,618.31
	Note: Fuel consumption: 100% load - 6.25 gallons per hour, 75% load - 10.0 gallons per hour, 50% load - 3.8 gallons per hour.	
01 22 23 00-0607	DAY 100.0 KW, 60 Hertz Diesel Powered Generator Set	326.81
	Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	
01 22 23 00-0608	WK 100.0 KW, 60 Hertz Diesel Powered Generator Set	720.56
	Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	
01 22 23 00-0609	MO 100.0 KW, 60 Hertz Diesel Powered Generator Set	2,051.44
	Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 5.9 gallons per hour, 50% load - 4.2 gallons per hour.	
01 22 23 00-0610	DAY 120.0 KW, 60 Hertz Diesel Powered Generator Set	336.66
	Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	



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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0611	WK	120.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	775.69	
01 22 23 00-0612	MO	120.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,390.06	
01 22 23 00-0613	DAY	150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	346.50	
01 22 23 00-0614	WK	150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	826.88	
01 22 23 00-0615	MO	150.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 10.7 gallons per hour, 75% load - 8.3 gallons per hour, 50% load - 6.5 gallons per hour.	2,728.69	
01 22 23 00-0616	DAY	175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	379.58	
01 22 23 00-0617	WK	175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	863.10	
01 22 23 00-0618	MO	175.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 16.1 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.9 gallons per hour.	2,866.50	
01 22 23 00-0619	DAY	250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	472.50	
01 22 23 00-0620	WK	250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	1,208.81	
01 22 23 00-0621	MO	250.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.4 gallons per hour, 75% load - 15.5 gallons per hour, 50% load - 11.6 gallons per hour.	3,189.38	
01 22 23 00-0622	DAY	300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	535.50	
01 22 23 00-0623	WK	300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	1,299.38	
01 22 23 00-0624	MO	300.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 22.7 gallons per hour, 75% load - 17.6 gallons per hour, 50% load - 13.6 gallons per hour.	3,543.75	
01 22 23 00-0625	DAY	350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	756.00	
01 22 23 00-0626	WK	350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	1,701.00	
01 22 23 00-0627	MO	350.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 29.1 gallons per hour, 75% load - 23.9 gallons per hour, 50% load - 18.3 gallons per hour.	4,536.00	
01 22 23 00-0628	DAY	400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	807.19	
01 22 23 00-0629	WK	400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	1,953.00	
01 22 23 00-0630	MO	400.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 32.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 19.9 gallons per hour.	5,709.38	
01 22 23 00-0631	DAY	500.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	900.90	
01 22 23 00-0632	WK	500.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	2,047.50	
01 22 23 00-0633	MO	500.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 37.4 gallons per hour, 75% load - 28.5 gallons per hour, 50% load - 23.7 gallons per hour.	6,142.50	
01 22 23 00-0634	DAY	750.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	1,260.00	
01 22 23 00-0635	WK	750.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	3,150.00	
01 22 23 00-0636	MO	750.0 KW, 60 Hertz Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 54.8 gallons per hour, 75% load - 40.9 gallons per hour, 50% load - 28.8 gallons per hour.	9,450.00	
01 22 23 00-0637	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	640.18	
01 22 23 00-0638	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up	1,044.12	
01 22 23 00-0639		Cabling For Generator Sets (01 22 23 00-0583) Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0640	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	17.32	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0641	WK		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	30.32	
01 22 23 00-0642	MO		#1 Banded Cable, 50' With Camlock Ends For Generator Set.....	90.96	
01 22 23 00-0643	DAY		50', 4/0 Cable With Camlock Ends For Generator Set.....	8.66	
01 22 23 00-0644	WK		50', 4/0 Cable With Camlock Ends For Generator Set.....	25.20	
01 22 23 00-0645	MO		50', 4/0 Cable With Camlock Ends For Generator Set.....	70.09	
01 22 23 00-0646			Resistive Loadbanks (01 22 23 00-0583)		
			Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0667 for reimbursable fuel fees.		
01 22 23 00-0647	DAY		100 KW A/C Resistive Loadbank	375.52	
01 22 23 00-0648	WK		100 KW A/C Resistive Loadbank	926.82	
01 22 23 00-0649	MO		100 KW A/C Resistive Loadbank	2,772.48	
01 22 23 00-0650	DAY		650 KW A/C Resistive Loadbank	632.80	
01 22 23 00-0651	WK		650 KW A/C Resistive Loadbank	1,692.25	
01 22 23 00-0652	MO		650 KW A/C Resistive Loadbank	4,314.52	
01 22 23 00-0653			Sub-Distribution Panels (Spider Box) (01 22 23 00-0583)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0654	DAY		Sub-Distribution Panel (Spider Box)	42.52	
01 22 23 00-0655	WK		Sub-Distribution Panel (Spider Box)	110.25	
01 22 23 00-0656	MO		Sub-Distribution Panel (Spider Box)	311.06	
01 22 23 00-0657			Portable Distribution Panels (01 22 23 00-0583)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0658	DAY		200 Amp Spider Box Feeder Panel.....	94.50	
01 22 23 00-0659	WK		200 Amp Spider Box Feeder Panel.....	255.94	
01 22 23 00-0660	MO		200 Amp Spider Box Feeder Panel.....	716.62	
01 22 23 00-0661	DAY		100 Amp Quad Box Panel	77.18	
01 22 23 00-0662	WK		100 Amp Quad Box Panel	200.81	
01 22 23 00-0663	MO		100 Amp Quad Box Panel	570.94	
01 22 23 00-0664	DAY		200 Amp Quad Box Panel	98.44	
01 22 23 00-0665	WK		200 Amp Quad Box Panel	248.06	
01 22 23 00-0666	MO		200 Amp Quad Box Panel	673.31	
01 22 23 00-0667			Fuel Reimbursement For Generators (01 22 23 00-0583)		
01 22 23 00-0668	EA		Fuel Reimbursement For Generators	1.00	
			Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		
01 22 23 00-0669			General Equipment (01 22 23)		
01 22 23 00-0670			Jacks And Bracing (01 22 23 00-0669)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0671			Manual Hydraulic Jacks (01 22 23 00-0670)		
01 22 23 00-0672	DAY		12 Ton Manual Hydraulic Bottle Jack.....	14.19	
01 22 23 00-0673	WK		12 Ton Manual Hydraulic Bottle Jack.....	36.90	
01 22 23 00-0674	MO		12 Ton Manual Hydraulic Bottle Jack.....	65.28	
01 22 23 00-0675	DAY		20 Ton Manual Hydraulic Bottle Jack.....	28.38	
01 22 23 00-0676	WK		20 Ton Manual Hydraulic Bottle Jack.....	79.48	
01 22 23 00-0677	MO		20 Ton Manual Hydraulic Bottle Jack.....	156.11	
01 22 23 00-0678	DAY		50 Ton Manual Hydraulic Bottle Jack.....	44.00	
01 22 23 00-0679	WK		50 Ton Manual Hydraulic Bottle Jack.....	109.28	
01 22 23 00-0680	MO		50 Ton Manual Hydraulic Bottle Jack.....	184.50	
01 22 23 00-0681	DAY		100 Ton Manual Hydraulic Bottle Jack.....	116.37	
01 22 23 00-0682	WK		100 Ton Manual Hydraulic Bottle Jack.....	279.58	
01 22 23 00-0683	MO		100 Ton Manual Hydraulic Bottle Jack.....	465.50	
01 22 23 00-0684			Manual Screw Jacks (01 22 23 00-0670)		
01 22 23 00-0685	DAY		10 To 20 Ton Manual Screw Jack.....	13.67	
01 22 23 00-0686	WK		10 To 20 Ton Manual Screw Jack.....	36.81	
01 22 23 00-0687	MO		10 To 20 Ton Manual Screw Jack.....	102.01	
01 22 23 00-0688			Pressure Washers (01 22 23 00-0669)		
			Note: Includes full-time operator, delivery, set-up, and removal.		
01 22 23 00-0689	DAY		2,000 PSI Pressure Washer With Full-Time Operator	678.71	
			For Equipment Without Operator, Deduct	-543.97	
01 22 23 00-0690	WK		2,000 PSI Pressure Washer With Full-Time Operator	3,061.86	
			For Equipment Without Operator, Deduct	-2,719.83	
01 22 23 00-0691	MO		2,000 PSI Pressure Washer With Full-Time Operator	12,594.03	
			For Equipment Without Operator, Deduct	-11,723.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0692 DAY 2,500 PSI Pressure Washer With Full-Time Operator	678.71	
<i>For Equipment Without Operator, Deduct</i>	-543.97	
01 22 23 00-0693 WK 2,500 PSI Pressure Washer With Full-Time Operator	3,061.86	
<i>For Equipment Without Operator, Deduct</i>	-2,719.83	
01 22 23 00-0694 MO 2,500 PSI Pressure Washer With Full-Time Operator	12,594.03	
<i>For Equipment Without Operator, Deduct</i>	-11,723.41	
01 22 23 00-0695 DAY 3,000 PSI Pressure Washer With Full-Time Operator	678.71	
<i>For Equipment Without Operator, Deduct</i>	-543.97	
01 22 23 00-0696 WK 3,000 PSI Pressure Washer With Full-Time Operator	3,061.86	
<i>For Equipment Without Operator, Deduct</i>	-2,719.83	
01 22 23 00-0697 MO 3,000 PSI Pressure Washer With Full-Time Operator	12,594.03	
<i>For Equipment Without Operator, Deduct</i>	-11,723.41	
01 22 23 00-0698 DAY 3,500 PSI Pressure Washer With Full-Time Operator	689.07	
<i>For Equipment Without Operator, Deduct</i>	-543.97	
01 22 23 00-0699 WK 3,500 PSI Pressure Washer With Full-Time Operator	3,092.95	
<i>For Equipment Without Operator, Deduct</i>	-2,719.83	
01 22 23 00-0700 MO 3,500 PSI Pressure Washer With Full-Time Operator	12,676.94	
<i>For Equipment Without Operator, Deduct</i>	-11,723.41	
01 22 23 00-0701 DAY 4,000 PSI Pressure Washer With Full-Time Operator	730.53	
<i>For Equipment Without Operator, Deduct</i>	-543.97	
01 22 23 00-0702 WK 4,000 PSI Pressure Washer With Full-Time Operator	3,227.69	
<i>For Equipment Without Operator, Deduct</i>	-2,719.83	
01 22 23 00-0703 MO 4,000 PSI Pressure Washer With Full-Time Operator	13,143.35	
<i>For Equipment Without Operator, Deduct</i>	-11,723.41	
01 22 23 00-0704 DAY 5,000 PSI Pressure Washer With Full-Time Operator	751.26	
<i>For Equipment Without Operator, Deduct</i>	-543.97	
01 22 23 00-0705 WK 5,000 PSI Pressure Washer With Full-Time Operator	3,279.51	
<i>For Equipment Without Operator, Deduct</i>	-2,719.83	
01 22 23 00-0706 MO 5,000 PSI Pressure Washer With Full-Time Operator	13,298.81	
<i>For Equipment Without Operator, Deduct</i>	-11,723.41	
01 22 23 00-0707 Confined Space Entry Equipment (01 22 23 00-0669)		
Note: Includes delivery, set-up, and removal.		
01 22 23 00-0708 DAY Ventilation Equipment For Confined Space	47.47	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0709 WK Ventilation Equipment For Confined Space	142.42	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0710 MO Ventilation Equipment For Confined Space	424.99	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0711 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	31.98	
01 22 23 00-0712 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	95.95	
01 22 23 00-0713 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	287.85	
01 22 23 00-0714 DAY Confined Space Air Monitor Personnel	572.77	
Note: Per person day.		
01 22 23 00-0715 Material Handling Equipment (01 22 23)		
01 22 23 00-0716 Truck Mounted Hydraulic Cranes (01 22 23 00-0715)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0717 DAY 6 Ton Lift Hydraulic Crane With Full-Time Operator	1,020.47	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0718 WK 6 Ton Lift Hydraulic Crane With Full-Time Operator	4,297.66	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0719 MO 6 Ton Lift Hydraulic Crane With Full-Time Operator	16,915.48	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0720 DAY 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	1,128.56	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0721 WK 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	4,618.93	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0722 MO 8 To 9 Ton Lift Hydraulic Crane With Full-Time Operator	17,876.28	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0723 DAY 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	2,236.65	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0724 WK 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	4,940.19	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0725 MO 14 To 15 Ton Lift Hydraulic Crane With Full-Time Operator	18,837.08	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0726 DAY 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	1,380.77	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0727 WK 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	5,372.55	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0728 MO 20 To 25 Ton Lift Hydraulic Crane With Full-Time Operator	20,128.16	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0729 DAY 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	1,512.88	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0730 WK 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	6,267.30	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0731 MO 30 To 35 Ton Lift Hydraulic Crane With Full-Time Operator	22,809.99	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0732 DAY 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	1,825.14	
<i>For Equipment Without Operator, Deduct</i>	-612.13	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0733 WK 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	7,384.23	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0734 MO 40 To 45 Ton Lift Hydraulic Crane With Full-Time Operator	26,163.18	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0735 DAY 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator	2,023.31	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0736 WK 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator	8,080.81	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0737 MO 50 To 55 Ton Lift Hydraulic Crane With Full-Time Operator	28,257.72	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0738 DAY 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator	2,179.43	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0739 WK 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator	8,645.28	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0740 MO 60 To 65 Ton Lift Hydraulic Crane With Full-Time Operator	29,948.73	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0741 DAY 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator	2,335.57	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0742 WK 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator	9,209.75	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0743 MO 70 To 75 Ton Lift Hydraulic Crane With Full-Time Operator	31,639.74	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0744 DAY 90 Ton Lift Hydraulic Crane With Full-Time Operator	2,437.65	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0745 WK 90 Ton Lift Hydraulic Crane With Full-Time Operator	9,558.04	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0746 MO 90 Ton Lift Hydraulic Crane With Full-Time Operator	32,696.62	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0747 DAY 100 Ton Lift Hydraulic Crane With Full-Time Operator	2,575.77	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0748 WK 100 Ton Lift Hydraulic Crane With Full-Time Operator	10,074.47	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0749 MO 100 Ton Lift Hydraulic Crane With Full-Time Operator	34,233.90	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0750 Cranes, Mechanical, Cable Controlled Lattice Boom, Truck Mounted <small>(01 22 23 00-0715)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0751 DAY 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator	2,053.33	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0752 WK 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator	8,200.91	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0753 MO 75 To 80 Ton Lift Mechanical Crane With Full-Time Operator	28,613.22	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0754 DAY 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator	3,164.25	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0755 WK 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator	10,050.45	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0756 MO 100 To 110 Ton Lift Mechanical Crane With Full-Time Operator	34,161.84	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0757 DAY 125 Ton Lift Mechanical Crane With Full-Time Operator	3,344.41	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0758 WK 125 Ton Lift Mechanical Crane With Full-Time Operator	11,365.55	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0759 MO 125 Ton Lift Mechanical Crane With Full-Time Operator	38,105.92	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0760 DAY 150 Ton Lift Mechanical Crane With Full-Time Operator	3,704.71	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0761 WK 150 Ton Lift Mechanical Crane With Full-Time Operator	12,680.64	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0762 MO 150 Ton Lift Mechanical Crane With Full-Time Operator	42,045.20	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0763 DAY 250 Ton Lift Mechanical Crane With Full-Time Operator	4,046.99	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0764 WK 250 Ton Lift Mechanical Crane With Full-Time Operator	15,310.83	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0765 MO 250 Ton Lift Mechanical Crane With Full-Time Operator	49,942.98	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0766 DAY 300 Ton Lift Mechanical Crane With Full-Time Operator	4,611.46	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0767 WK 300 Ton Lift Mechanical Crane With Full-Time Operator	17,334.51	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0768 MO 300 Ton Lift Mechanical Crane With Full-Time Operator	56,005.63	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0769 DAY 500 Ton Lift Mechanical Crane With Full-Time Operator	8,082.35	
<i>For Equipment Without Operator, Deduct</i>	-612.13	
01 22 23 00-0770 WK 500 Ton Lift Mechanical Crane With Full-Time Operator	29,704.81	
<i>For Equipment Without Operator, Deduct</i>	-3,060.63	
01 22 23 00-0771 MO 500 Ton Lift Mechanical Crane With Full-Time Operator	93,130.94	
<i>For Equipment Without Operator, Deduct</i>	-13,192.38	
01 22 23 00-0772 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts <small>(01 22 23 00-0715)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0773 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,098.69 -572.77	
01 22 23 00-0774 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,150.99 -2,863.87	
01 22 23 00-0775 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,112.28 -12,344.28	
01 22 23 00-0776 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,154.05 -572.77	
01 22 23 00-0777 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,275.55 -2,863.87	
01 22 23 00-0778 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,389.08 -12,344.28	
01 22 23 00-0779 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,140.21 -572.77	
01 22 23 00-0780 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,337.83 -2,863.87	
01 22 23 00-0781 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	15,804.28 -12,344.28	
01 22 23 00-0782 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,299.37 -572.77	
01 22 23 00-0783 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	4,753.03 -2,863.87	
01 22 23 00-0784 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	16,773.08 -12,344.28	
01 22 23 00-0785 Straight Mast, Rough Terrain Construction Forklifts <small>(01 22 23 00-0715)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0786 DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	914.62 -572.77 68.37	
01 22 23 00-0787 WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,797.38 -2,863.87 186.70	
01 22 23 00-0788 MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,480.83 -12,344.28 427.31	
01 22 23 00-0789 DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	932.61 -572.77 71.97	
01 22 23 00-0790 WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,846.51 -2,863.87 196.53	
01 22 23 00-0791 MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	14,593.28 -12,344.28 449.80	
01 22 23 00-0792 DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,029.49 -572.77 91.34	
01 22 23 00-0793 WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,116.39 -2,863.87 250.50	
01 22 23 00-0794 MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	15,216.08 -12,344.28 574.36	
01 22 23 00-0795 DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	1,082.84 -572.77 102.01	
01 22 23 00-0796 WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	4,093.28 -2,863.87 245.88	
01 22 23 00-0797 MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	15,404.72 -12,344.28 612.09	
01 22 23 00-0798 Straight Mast, Industrial Warehouse Forklifts <small>(01 22 23 00-0715)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0799 DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	863.41 -572.77 58.13	
01 22 23 00-0800 WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,528.19 -2,863.87 132.86	
01 22 23 00-0801 MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	13,935.88 -12,344.28 318.32	
01 22 23 00-0802 DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	870.33 -572.77 59.51	
01 22 23 00-0803 WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i> <i>For Propane Instead Of Gas Or Diesel, Add</i>	3,548.95 -2,863.87 137.02	

01	General Requirements
01 20	Price And Payment Procedures
01 22	Unit Prices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0804	MO		6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	13,984.32	
			<i>For Equipment Without Operator, Deduct</i>	-12,344.28	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	328.01	
01 22 23 00-0805	DAY		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,015.65	
			<i>For Equipment Without Operator, Deduct</i>	-572.77	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	88.58	
01 22 23 00-0806	WK		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,867.27	
			<i>For Equipment Without Operator, Deduct</i>	-2,863.87	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	200.68	
01 22 23 00-0807	MO		8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	14,766.28	
			<i>For Equipment Without Operator, Deduct</i>	-12,344.28	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	484.40	
01 22 23 00-0808	DAY		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,029.49	
			<i>For Equipment Without Operator, Deduct</i>	-572.77	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	91.34	
01 22 23 00-0809	WK		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	3,984.91	
			<i>For Equipment Without Operator, Deduct</i>	-2,863.87	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	224.21	
01 22 23 00-0810	MO		12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,181.48	
			<i>For Equipment Without Operator, Deduct</i>	-12,344.28	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	567.44	
01 22 23 00-0811	DAY		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,154.05	
			<i>For Equipment Without Operator, Deduct</i>	-572.77	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	116.26	
01 22 23 00-0812	WK		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,185.59	
			<i>For Equipment Without Operator, Deduct</i>	-2,863.87	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	264.34	
01 22 23 00-0813	MO		15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	15,527.48	
			<i>For Equipment Without Operator, Deduct</i>	-12,344.28	
			<i>For Propane Instead Of Gas Or Diesel, Add</i>	636.64	
01 22 23 00-0814			Chain Hoists (01 22 23 00-0715)		
			Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0815	DAY		1 Ton, 20' Lift, Manual Chain Hoist	14.19	
01 22 23 00-0816	WK		1 Ton, 20' Lift, Manual Chain Hoist	38.32	
01 22 23 00-0817	MO		1 Ton, 20' Lift, Manual Chain Hoist	96.51	
01 22 23 00-0818	DAY		3 Ton, 20' Lift, Manual Chain Hoist	31.22	
01 22 23 00-0819	WK		3 Ton, 20' Lift, Manual Chain Hoist	75.22	
01 22 23 00-0820	MO		3 Ton, 20' Lift, Manual Chain Hoist	187.33	
01 22 23 00-0821	DAY		5 Ton, 20' Lift, Manual Chain Hoist	45.41	
01 22 23 00-0822	WK		5 Ton, 20' Lift, Manual Chain Hoist	109.28	
01 22 23 00-0823	MO		5 Ton, 20' Lift, Manual Chain Hoist	272.49	
01 22 23 00-0824	DAY		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.83	
01 22 23 00-0825	WK		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	218.56	
01 22 23 00-0826	MO		2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	544.97	
01 22 23 00-0827	DAY		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	102.18	
01 22 23 00-0828	WK		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	246.94	
01 22 23 00-0829	MO		3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	613.09	
01 22 23 00-0830	DAY		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	127.73	
01 22 23 00-0831	WK		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	307.97	
01 22 23 00-0832	MO		5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	766.37	
01 22 23 00-0833			Pumping Equipment (01 22 23)		
01 22 23 00-0834			Gas Powered Portable Centrifugal Pumps (01 22 23 00-0833)		
			Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0858 for larger diameter pumps.		
01 22 23 00-0835	DAY		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	57.32	
01 22 23 00-0836	WK		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	128.96	
01 22 23 00-0837	MO		8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	343.90	
01 22 23 00-0838	DAY		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	68.78	
01 22 23 00-0839	WK		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	154.75	
01 22 23 00-0840	MO		16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	412.68	
01 22 23 00-0841			Gas Powered Portable Diaphragm Pumps (01 22 23 00-0833)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0842	DAY		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	65.91	
01 22 23 00-0843	WK		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	186.28	
01 22 23 00-0844	MO		3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	472.86	
01 22 23 00-0845	DAY		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	80.24	
01 22 23 00-0846	WK		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	214.94	
01 22 23 00-0847	MO		5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	608.98	
01 22 23 00-0848			Gas Powered Portable Trash Pumps (01 22 23 00-0833)		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0849	DAY		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	83.11	
01 22 23 00-0850	WK		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	171.95	
01 22 23 00-0851	MO		12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	515.84	
01 22 23 00-0852	DAY		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	83.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0853	WK		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	222.10	
01 22 23 00-0854	MO		25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	608.98	
01 22 23 00-0855	DAY		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	131.83	
01 22 23 00-0856	WK		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	372.55	
01 22 23 00-0857	MO		35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,081.84	
01 22 23 00-0858 Diesel Powered Portable Trash Pumps (01 22 23 00-0833)					
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-0859	DAY		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	257.92	
01 22 23 00-0860	WK		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	702.12	
01 22 23 00-0861	MO		63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	3,059.24	
01 22 23 00-0862	DAY		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	394.05	
01 22 23 00-0863	WK		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,031.69	
01 22 23 00-0864	MO		156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,744.00	
01 22 23 00-0865	DAY		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	535.90	
01 22 23 00-0866	WK		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,434.33	
01 22 23 00-0867	MO		246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,837.31	
01 22 23 00-0868	DAY		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	693.52	
01 22 23 00-0869	WK		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,771.06	
01 22 23 00-0870	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	5,201.43	
01 22 23 00-0871 Diesel Powered Portable Silenced Environmental Trash Pumps (01 22 23 00-0833)					
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-0872	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	368.26	
01 22 23 00-0873	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	838.25	
01 22 23 00-0874	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,613.61	
01 22 23 00-0875	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	451.36	
01 22 23 00-0876	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,124.83	
01 22 23 00-0877	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	3,059.24	
01 22 23 00-0878	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	544.50	
01 22 23 00-0879	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,610.58	
01 22 23 00-0880	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	4,492.14	
01 22 23 00-0881	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	819.62	
01 22 23 00-0882	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,093.47	
01 22 23 00-0883	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	6,147.14	
01 22 23 00-0884 3 Phase Electric Submersible Pumps (01 22 23 00-0833)					
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-0885	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	143.29	
01 22 23 00-0886	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	358.22	
01 22 23 00-0887	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,074.68	
01 22 23 00-0888	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	189.14	
01 22 23 00-0889	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	472.86	
01 22 23 00-0890	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,418.57	
01 22 23 00-0891 Hydraulic Submersible Pumps (01 22 23 00-0833)					
Note: Includes delivery, set-up, and removal. Excludes operator.					
01 22 23 00-0892	DAY		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	94.57	
01 22 23 00-0893	WK		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	253.62	
01 22 23 00-0894	MO		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	709.29	
01 22 23 00-0895	DAY		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	120.36	
01 22 23 00-0896	WK		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	309.51	
01 22 23 00-0897	MO		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	945.71	
01 22 23 00-0898 Suction Hose With Couplings (01 22 23 00-0833)					
Note: Includes delivery, set-up, and removal.					
01 22 23 00-0899	DAY		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	9.89	
01 22 23 00-0900	WK		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	24.72	
01 22 23 00-0901	MO		1-1/2" Inside Diameter, 20' Length, Suction Hose With Couplings	60.97	
01 22 23 00-0902	DAY		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	11.53	
01 22 23 00-0903	WK		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	26.37	
01 22 23 00-0904	MO		2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	64.27	
01 22 23 00-0905	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	24.72	
01 22 23 00-0906	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	54.38	
01 22 23 00-0907	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	146.66	
01 22 23 00-0908	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	31.31	
01 22 23 00-0909	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	70.86	
01 22 23 00-0910	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	189.50	
01 22 23 00-0911	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	41.20	
01 22 23 00-0912	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	95.57	
01 22 23 00-0913	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	215.87	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 22 23 00-0914		Discharge Hose With Couplings (01 22 23 00-0833)	
Note: Includes delivery, set-up, and removal.			
01 22 23 00-0915	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	14.33
01 22 23 00-0916	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	30.09
01 22 23 00-0917	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	64.48
01 22 23 00-0918	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	22.93
01 22 23 00-0919	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	32.96
01 22 23 00-0920	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	68.78
01 22 23 00-0921	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	22.93
01 22 23 00-0922	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	45.85
01 22 23 00-0923	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	90.27
01 22 23 00-0924	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	31.52
01 22 23 00-0925	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	83.11
01 22 23 00-0926	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	167.65
01 22 23 00-0927	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	63.05
01 22 23 00-0928	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	128.96
01 22 23 00-0929	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	272.25
01 22 23 00-0930		Truck And Trailer Equipment (01 22 23)	
01 22 23 00-0931		Trucks (01 22 23 00-0930)	
Note: Includes full-time driver, delivery, and removal.			
01 22 23 00-0932		Flat Bed Trucks (01 22 23 00-0931)	
Note: Includes hydraulic tilt bed.			
01 22 23 00-0933	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	704.54
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0934	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,071.85
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0935	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	12,353.83
		<i>For Equipment Without Operator, Deduct</i>	-11,098.57
01 22 23 00-0936	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	786.52
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0937	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	3,281.91
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0938	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver.....	12,891.79
		<i>For Equipment Without Operator, Deduct</i>	-11,098.57
01 22 23 00-0939	DAY	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	845.33
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0940	WK	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	3,506.73
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0941	MO	6-1/2 Ton Capacity, 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	13,747.44
		<i>For Equipment Without Operator, Deduct</i>	-11,098.59
01 22 23 00-0942		Light Duty Trucks (01 22 23 00-0931)	
01 22 23 00-0943	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	733.91
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0944	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	3,293.28
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0945	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	12,603.81
		<i>For Equipment Without Operator, Deduct</i>	-11,098.57
01 22 23 00-0946	DAY	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	774.97
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0947	WK	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	3,416.44
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0948	MO	3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver	12,877.49
		<i>For Equipment Without Operator, Deduct</i>	-11,098.57
01 22 23 00-0949		Boom Trucks (01 22 23 00-0931)	
01 22 23 00-0950	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	867.98
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0951	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	3,494.03
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0952	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	13,429.76
		<i>For Equipment Without Operator, Deduct</i>	-11,098.57
01 22 23 00-0953		Rear Dump Trucks (01 22 23 00-0931)	
01 22 23 00-0954	DAY	4 CY Rear Dump Truck With Full-Time Truck Driver	909.54
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0955	WK	4 CY Rear Dump Truck With Full-Time Truck Driver	3,661.96
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87
01 22 23 00-0956	MO	4 CY Rear Dump Truck With Full-Time Truck Driver	13,916.95
		<i>For Equipment Without Operator, Deduct</i>	-11,098.57
01 22 23 00-0957	DAY	6 CY Rear Dump Truck With Full-Time Truck Driver	965.91
		<i>For Equipment Without Operator, Deduct</i>	-514.97
01 22 23 00-0958	WK	6 CY Rear Dump Truck With Full-Time Truck Driver	3,782.75
		<i>For Equipment Without Operator, Deduct</i>	-2,574.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0959 MO 6 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	13,997.47 -11,098.57	
01 22 23 00-0960 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,634.27 -514.97	
01 22 23 00-0961 WK 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,159.72 -2,574.87	
01 22 23 00-0962 MO 13 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	17,862.67 -11,098.57	
01 22 23 00-0963 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	1,746.20 -514.97	
01 22 23 00-0964 WK 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	5,418.21 -2,574.87	
01 22 23 00-0965 MO 18 CY Rear Dump Truck With Full-Time Truck Driver <i>For Equipment Without Operator, Deduct</i>	18,539.08 -11,098.57	
01 22 23 00-0966 Under-Bridge Inspection Trucks (01 22 23 00-0931)		
01 22 23 00-0967 DAY 45' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	1,686.98	
01 22 23 00-0968 DAY 45' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	7,039.67	
01 22 23 00-0969 DAY 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	1,910.22	
01 22 23 00-0970 WK 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	7,932.63	
01 22 23 00-0971 DAY 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	2,021.84	
01 22 23 00-0972 WK 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	8,379.11	
01 22 23 00-0973 Vacuum Trucks (01 22 23 00-0931)		
01 22 23 00-0974 DAY 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	822.68 -514.97	
01 22 23 00-0975 WK 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	3,491.96 -2,574.87	
01 22 23 00-0976 MO 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	13,807.61 -11,098.57	
01 22 23 00-0977 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	1,626.21 -514.97	
01 22 23 00-0978 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	5,921.49 -2,574.87	
01 22 23 00-0979 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver..... <i>For Equipment Without Operator, Deduct</i>	20,974.16 -11,098.57	
01 22 23 00-0980 Water Trucks (01 22 23 00-0931)		
See CSI section 01 22 23 00-0999 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-0981 DAY 2,000 Gallon Water Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,057.99 -514.97	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0982 WK 2,000 Gallon Water Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,004.81 -2,574.87	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0983 MO 2,000 Gallon Water Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	14,477.33 -11,098.57	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0984 DAY 2,500 To 3,000 Gal Water Truck With Full-Time Operator	1,154.52	
<i>For Equipment Without Operator, Deduct</i>		
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0985 WK 2,500 To 3,000 Gal Water Truck With Full-Time Operator	4,674.53	
<i>For Equipment Without Operator, Deduct</i>		
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0986 MO 2,500 To 3,000 Gal Water Truck With Full-Time Operator	16,329.61	
<i>For Equipment Without Operator, Deduct</i>		
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0987 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,323.46 -514.97	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0988 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	4,801.23 -2,574.87	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0989 MO 3,700 To 4,000 Gallon Water Truck With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	16,528.72 -11,098.57	
<i>For Each 1,000 Gallon Of Purchased Water, Add</i>		
01 22 23 00-0990 Asphalt Distribution Trucks (01 22 23 00-0931)		
01 22 23 00-0991 DAY 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	1,393.14	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0992 WK 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	5,198.10	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0993 MO 3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	18,853.50	
<i>For Equipment Without Operator, Deduct</i>		
01 22 23 00-0994 Attenuator Trucks (01 22 23 00-0931)		

01	01	General Requirements
	01 20	Price And Payment Procedures
	01 22	Unit Prices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0995 DAY Attenuator (Crash Cushion) Truck, With Full Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each Mile, Add</i>	978.73 -514.97 0.47	
01 22 23 00-0996 WK Attenuator (Crash Cushion) Truck, With Full Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each Mile, Add</i>	4,429.93 -2,574.87 0.47	
01 22 23 00-0997 MO Attenuator (Crash Cushion) Truck, With Full Time Operator <i>For Equipment Without Operator, Deduct</i> <i>For Each Mile, Add</i>	16,663.74 -11,098.57 0.47	
01 22 23 00-0998 Trailers <small>(01 22 23 00-0930)</small> Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0999 Water Trailers With Pump <small>(01 22 23 00-0998)</small>		
01 22 23 00-1000 DAY 500 To 600 Gallon Water Trailer With Pump	138.77	
01 22 23 00-1001 WK 500 To 600 Gallon Water Trailer With Pump	355.98	
01 22 23 00-1002 MO 500 To 600 Gallon Water Trailer With Pump	953.29	

01 30 Administrative Requirements (01)

01 32 Construction Progress Documentation (01 30)

01 32 33 Photographic Documentation (01 32)

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

Note: Excludes QC photographs. As requested by owner.

01 32 33 00-0002 EA 3-1/2" x 5" Color Print Photograph.....	1.58
01 32 33 00-0003 EA 4" x 6" Color Print Photograph	2.11
01 32 33 00-0004 EA 5" x 7" Color Print Photograph	4.27
01 32 33 00-0005 EA 8" x 10" Color Print Photograph	7.12

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

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

01 32 33 00-0007 EA Aerial Photography, 1 Site Within City, 15-20 Photos, 6 Proofs.....	1,244.34
<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00
<i>For Each Mile Outside The City Area, Add</i>	3.00
<i>For Color Prints Instead Of Black And White, Add</i>	373.30
01 32 33 00-0008 EA 5 Minute Aerial Video With 3 Tapes And 11 x 14 Still Photograph	1,386.76
<i>For Each Additional City Location, 15-20 Photos, 6 Proofs, Add</i>	175.00
<i>For Each Mile Outside The City Area, Add</i>	3.00
01 32 33 00-0009 HR Aerial Tour Of Project Site Up To 3 Passengers (Helicopter)	937.00

01 40 Quality Requirements (01)

01 45 Quality Control (01 40)

01 45 23 Testing And Inspecting Services (01 45)

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

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

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

01 45 23 00-0003 EA Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....	171.15
01 45 23 00-0004 EA 4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	242.92
01 45 23 00-0005 EA 6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	276.05
01 45 23 00-0006 EA Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	220.84
01 45 23 00-0007 EA Soils Classification Test, ASTM D-2487, Field Soils Test.....	331.26
01 45 23 00-0008 SET Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	662.29
01 45 23 00-0009 EA Moisture Content, Field Soils Test	24.84
01 45 23 00-0010 EA UBC Or Swell Test, Field Soils Test	87.01
01 45 23 00-0011 EA Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	165.57
01 45 23 00-0012 EA Proctor Compaction 6" Standard Mold, Field Soils Test	206.97
01 45 23 00-0013 EA Density And Classification Test, Field Soils Test	66.23
01 45 23 00-0014 EA Percolation Test, Field Soils Test.....	165.57
01 45 23 00-0015 EA Infiltration Test, Field Soils Test.....	331.14

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

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

01 45 23 00-0017 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	76.00
01 45 23 00-0018 EA Shrinkage Limit, Soil Borings Laboratory Test	24.25
01 45 23 00-0019 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test.....	58.46
01 45 23 00-0020 EA Consolidation, Soil Borings Laboratory Test.....	409.26
01 45 23 00-0021 EA Swell Test, Soil Borings Laboratory Test	80.84
01 45 23 00-0022 EA In Place Density, Soil Borings Laboratory Test.....	17.54
01 45 23 00-0023 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test	10.90
01 45 23 00-0024 EA Hydrometer Analysis, Soil Borings Laboratory Test.....	140.68
01 45 23 00-0025 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test	49.06



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0026 EA Partial Sieve Analysis, Soil Borings Laboratory Test.....	9.70	
01 45 23 00-0027 EA Laboratory Permeability, Soil Borings Laboratory Test.....	485.09	
01 45 23 00-0028 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	98.12	
01 45 23 00-0029 EA Sulfate Soundness, Soil Borings Laboratory Test.....	121.27	
01 45 23 00-0030 EA Los Angeles Abrasion, Soil Borings Laboratory Test.....	282.77	
01 45 23 00-0031 EA California Bearing Ratio, ASTM D1883.....	248.44	
01 45 23 00-0032 EA Compaction Test Subgrade, Soil Borings Laboratory Test.....	72.76	
01 45 23 00-0033 EA Compaction Test Base Course, Soil Borings Laboratory Test.....	61.56	
01 45 23 00-0034 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	239.27	
01 45 23 00-0035 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	37.19	
01 45 23 00-0036 Aggregate Testing (01 45 23 00-0001)		
01 45 23 00-0037 EA Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	55.21	
01 45 23 00-0038 EA Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	99.38	
01 45 23 00-0039 EA Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	138.02	
01 45 23 00-0040 EA Sieve Analysis, Pit Run, ASTM C136.....	107.62	
	Note: Includes wash.	
01 45 23 00-0041 EA Specific Special Gravity, Course, ASTM C127.....	87.70	
	Note: Includes absorption test.	
01 45 23 00-0042 EA Special Gravity, Fine, ASTM C127.....	78.65	
	Note: Includes absorption test.	
01 45 23 00-0043 EA Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	116.93	
01 45 23 00-0044 EA Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	110.42	
01 45 23 00-0045 EA Aggregate Cleanness Value, ASTM C-128, CA 227.....	110.42	
01 45 23 00-0046 EA Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	82.82	
01 45 23 00-0047 EA Fine Aggregate Durability Index, CA 229.....	88.34	
01 45 23 00-0048 EA Sodium And Magnesium Soundness, ASTM C88.....	231.80	
01 45 23 00-0049 EA Los Angeles Rattler, ASTM C-131, CA 211.....	176.67	
01 45 23 00-0050 EA Los Angeles Rattler, ASTM C-535.....	176.67	
01 45 23 00-0051 EA Unit Weight Of Aggregates, ASTM C29.....	49.69	
01 45 23 00-0052 EA Organic Impurities In Sand, ASTM C40.....	49.67	
01 45 23 00-0053 EA Crushed Particle, ASTM California Test Method.....	49.67	
01 45 23 00-0054 EA Clay Lump And Friable Particles, ASTM C142.....	99.34	
01 45 23 00-0055 Permeability Tests (01 45 23 00-0001)		
01 45 23 00-0056 In-Place Tests (01 45 23 00-0055)		
01 45 23 00-0057 EA Double Ring Infiltrometer Test, ASTM D3385.....	876.98	
01 45 23 00-0058 EA Unconfined Compressive Strength (Pocket Penetrometer) Test.....	41.39	
01 45 23 00-0059 Lab Tests (01 45 23 00-0055)		
01 45 23 00-0060 EA Falling Head Rigid Wall Consolidometer Technique CAE.....	409.26	
01 45 23 00-0061 EA Falling Head Permeability Test EPA-9100.....	409.26	
01 45 23 00-0062 EA Constant Head Permeability Test For Granular Soils, ASTM D2432.....	233.86	
01 45 23 00-0063 Concrete/Cement/Asphalt Testing (01 45 23)		
01 45 23 00-0064 Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0065 EA Prepare 6 x 12 Concrete Cylinder And Deliver To Lab.....	16.55	
01 45 23 00-0066 EA 6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633.....	35.08	
01 45 23 00-0067 EA Concrete Cores Compression Test, ASTM C-42.....	71.77	
01 45 23 00-0068 EA 6 x 6 x 18 Concrete Flexural Test, ASTM C-78.....	104.90	
01 45 23 00-0069 EA Unit Weight Of Concrete Cylinder, ASTM C-567.....	38.65	
01 45 23 00-0070 EA Concrete Mix Design Review.....	209.80	
01 45 23 00-0071 EA Trial Concrete Batch Prepared In Laboratory.....	496.89	
01 45 23 00-0072 EA Concrete Shrinkage, ASTM C-157 Modified.....	386.47	
01 45 23 00-0073 EA 6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	59.63	
01 45 23 00-0074 EA Concrete Slump Test, ASTM C143.....	27.60	
01 45 23 00-0075 EA Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231.....	27.60	
01 45 23 00-0076 Cement Testing (01 45 23 00-0063)		
01 45 23 00-0077 EA Cement Grab Sample (CCR Title 24).....	27.60	
	Note: Includes sealing and storing 1 year.	
01 45 23 00-0078 EA 2" x 2" x 2" Cube Compression Test, All Type Materials.....	44.17	
01 45 23 00-0079 Asphaltic Concrete Testing (01 45 23 00-0063)		
01 45 23 00-0080 EA Hveem Asphaltic Concrete Stability Test, CA 366.....	55.21	
01 45 23 00-0081 EA Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927.....	143.55	
01 45 23 00-0082 EA Stability Tests, Premixed, ASTM D1559.....	55.21	
01 45 23 00-0083 EA Stability Tests, Lab. Mixed, ASTM D1559.....	143.55	
01 45 23 00-0084 EA Swell Test, CA 305.....	66.25	
	Note: Includes compaction.	
01 45 23 00-0085 EA % Asphalt Extraction Test, ASTM D-2172 B.....	165.63	
01 45 23 00-0086 EA Gradation On Extracted Sample, ASTM D-5444.....	110.42	
01 45 23 00-0087 EA Maximum Theoretical Unit Weight, ASTM C2041.....	105.24	

01 General Requirements**01 40 Quality Requirements****01 45 Quality Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0088	EA		Unit Weight Sample Requiring Compaction, California Test Method 308	22.08	
01 45 23 00-0089	EA		Asphalt Unit Weight On Core Test, CA 308C	22.08	
01 45 23 00-0090	HR		Nuclear Field Density Testing, 4 Hour Minimum	113.73	
01 45 23 00-0091	EA		Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	74.51	
01 45 23 00-0092	EA		Penetration, ASTM D5	79.76	
01 45 23 00-0093			Masonry/Concrete Block/Tile Testing (01 45 23)		
01 45 23 00-0094			Masonry Testing (01 45 23 00-0093)		
01 45 23 00-0095	EA		2" x 4" Cylinder Mortar Compression Test	36.44	
01 45 23 00-0096	EA		4" x 4" x 8" Grout Prisms Compression Test	36.44	
01 45 23 00-0097	EA		Masonry Cores Compression Test	71.77	
01 45 23 00-0098	EA		Composite Grouted Prism Compression Test	138.02	
01 45 23 00-0099			Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0093)		
01 45 23 00-0100	EA		Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	88.34	
01 45 23 00-0101	EA		Absorption Test, Moisture Content And Unit Weight	60.73	
01 45 23 00-0102	EA		Moisture Condition By Relative Humidity, ASTM C427, First Unit	231.80	
01 45 23 00-0103	EA		Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	115.90	
01 45 23 00-0104			Metals Testing (01 45 23)		
01 45 23 00-0105			Tank Tightness Testing (01 45 23 00-0104)		
01 45 23 00-0106	GAL		Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	5.69	
01 45 23 00-0107	GAL		>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	4.88	
01 45 23 00-0108	EA		Up To 12,000 Gallons, Tank Volumetric Tightness Testing	1,464.26	
01 45 23 00-0109	EA		>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	1,789.08	
01 45 23 00-0110	EA		>29,999 Gallons, Tank Volumetric Tightness Testing	2,278.46	
01 45 23 00-0111			Tank Line Tightness Testing (01 45 23 00-0104)		
01 45 23 00-0112	EA		Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	308.96	
01 45 23 00-0113	EA		>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	343.07	
01 45 23 00-0114	EA		>29,999 Gallons, Tank Line Volumetric Tightness Testing	377.06	
01 45 23 00-0115			Other Testing (01 45 23)		
01 45 23 00-0116			Special Testing (01 45 23 00-0115)		
01 45 23 00-0117	EA		Asphalt Roofing Cut-out Samples, To Determine Unit Weight	85.59	
01 45 23 00-0118	EA		Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	513.54	
01 45 23 00-0119	EA		Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria)	25.82	
01 45 23 00-0120	EA		Testing For The Presence Of PCBs In Caulk, Analysis Per Sample	107.03	
01 45 23 00-0121	EA		Testing For The Presence Of PCBs In Soil, Analysis Per Sample	107.03	
01 45 23 00-0122	EA		Testing For The Presence Of PCBs Using Wipe Sampling, Analysis Per Sample	107.03	
01 45 23 00-0123	EA		Testing For The Presence Of PCBs In Air, Analysis Per Sample	588.66	
01 45 23 00-0124			Nondestructive Field Testing Services (01 45 23 00-0115)		
01 45 23 00-0125			Infrared Thermography (01 45 23 00-0124)		
			Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		
01 45 23 00-0126			Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0125)		
			Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0127	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	950.00	
01 45 23 00-0128	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	3.00	
			For Digital Or Analog Recording Of All Items, Add	0.45	
01 45 23 00-0129	CSF		>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	2.00	
			For Digital Or Analog Recording Of All Items, Add	0.30	
01 45 23 00-0130			Other Nondestructive Field Testing Services (01 45 23 00-0124)		
01 45 23 00-0131	HR		ASNT Certified Level III Consultant	132.50	
01 45 23 00-0132	HR		Two Person Concrete And Welding Radiographic Testing Crew	220.84	

01 50 Temporary Facilities And Controls (01)

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

01 52 Construction Facilities (01 50)

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

01 52 13 Field Offices And Sheds (01 52)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0001 Field Offices <small>(01 52 13)</small>		
<i>Note: Excludes furniture, utility connections and service. Minimum 6 months rental.</i>		
01 52 13 00-0002 MO 8' x 24' Office, With Toilet	174.11	
<i>For Each Delivery And Removal, Round Trip, Add</i>	380.00	
<i>For Each Set-Up (Block And Level), Add</i>	190.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Office Trailer Without Toilet, Deduct</i>	-34.82	
01 52 13 00-0003 MO 8' x 32' Office, With Toilet	197.32	
<i>For Each Delivery And Removal, Round Trip, Add</i>	380.00	
<i>For Each Set-Up (Block And Level), Add</i>	190.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Office Trailer Without Toilet, Deduct</i>	-39.46	
01 52 13 00-0004 MO 10' x 36' Office, With Toilet	266.96	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Office Trailer Without Toilet, Deduct</i>	-53.39	
01 52 13 00-0005 MO 10' x 40' Office, With Toilet	284.38	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
<i>For Office Trailer Without Toilet, Deduct</i>	-56.88	
01 52 13 00-0006 MO 10' x 44' Office, With Toilet	313.39	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0007 MO 10' x 50' Office, With Toilet	330.80	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0008 MO 12' x 44' Office, With Toilet	353.62	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0009 MO 12' x 50' Office, With Toilet	388.84	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0010 MO 12' x 60' Office, With Toilet	423.66	
<i>For Each Delivery And Removal, Round Trip, Add</i>	630.00	
<i>For Each Set-Up (Block And Level), Add</i>	310.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0011 MO 24' x 60' Office, With Toilet	928.56	
<i>For Each Delivery And Removal, Round Trip, Add</i>	1,200.00	
<i>For Each Set-Up (Block And Level), Add</i>	500.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0012 MO 24' x 72' Office, With Toilet	1,114.27	
<i>For Each Delivery And Removal, Round Trip, Add</i>	1,200.00	
<i>For Each Set-Up (Block And Level), Add</i>	500.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0013 MO 30' x 30' Office, With Toilet	529.57	
<i>For Each Delivery And Removal, Round Trip, Add</i>	1,200.00	
<i>For Each Set-Up (Block And Level), Add</i>	500.00	
<i>For Each Anchoring Into Dirt, Add</i>	60.00	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>	110.00	
01 52 13 00-0014 Accessories For Field Office Trailers <small>(01 52 13)</small>		
<i>Note: Costs includes installation or placement in trailer.</i>		
01 52 13 00-0015 MO Desk For Field Office Trailer	28.48	
01 52 13 00-0016 MO Rolling Desk Chair For Field Office Trailer	17.80	
01 52 13 00-0017 MO File Cabinet For Field Office Trailer	21.36	
01 52 13 00-0018 MO Table For Field Office Trailer	14.24	
01 52 13 00-0019 MO Folding Chair For Field Office Trailer	6.75	
01 52 13 00-0020 EA Phone Hook-Up For Field Office Trailer	78.33	
01 52 13 00-0021 MO Local Phone Service Per Phone Line For Field Office Trailer	49.85	
01 52 13 00-0022 MO Security System With Monitoring For Field Office Trailer	80.00	
01 52 13 00-0023 LF Perimeter Trailer Skirting For Field Office Trailer	25.72	
01 52 13 00-0024 LF Insulated Perimeter Trailer Skirting For Field Office Trailer	46.77	
01 52 13 00-0025 MO Steps For Field Office Trailer	25.00	
01 52 13 00-0026 MO Fax Machine For Field Office Trailer	35.61	
01 52 13 00-0027 MO Copier For Field Office Trailer	56.97	

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 52	Construction Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 52 13 00-0028	Storage Containers <small>(01 52 13)</small>	
01 52 13 00-0029	MO 8' x 8' x 10' Storage Container	96.61
	<i>For Delivery And Pick-up Of Container, Add</i>	252.95
	<i>For >12 Months, Deduct</i>	-28.98
01 52 13 00-0030	MO 8' x 8' x 20' Storage Container	101.00
	<i>For Delivery And Pick-up Of Container, Add</i>	252.95
	<i>For >12 Months, Deduct</i>	-30.30
01 52 13 00-0031	MO 8' x 8' x 40' Storage Container	119.45
	<i>For Delivery And Pick-up Of Container, Add</i>	252.95
	<i>For >12 Months, Deduct</i>	-35.84

01 52 19 Sanitary Facilities (01 52)

01 52 19 00-0001	Portable Toilets <small>(01 52 19)</small>	
	<i>Note: Includes delivery, set-up, servicing once per week and removal.</i>	
01 52 19 00-0002	WK Portable Toilets, Chemical	28.33
	<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00
01 52 19 00-0003	MO Portable Toilets, Chemical	84.99
	<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00
01 52 19 00-0004	WK ADA Portable Toilets, Chemical	33.79
	<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00
01 52 19 00-0005	MO ADA Portable Toilets, Chemical	99.16
	<i>For Each Additional Servicing Per Unit Per Week, Add</i>	25.00
01 52 19 00-0006	WK Two Station Portable Handwash	27.29
01 52 19 00-0007	MO Two Station Portable Handwash	82.79
01 52 19 00-0008	MO Portable Toilets, Multi Trailer - 16'	2,500.00
	<i>Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink)</i>	
01 52 19 00-0009	WK Service Trailer Restrooms, 3 Times Per Week	1,874.00

01 54 Construction Aids (01 50)

01 54 23 Temporary Scaffolding And Platforms (01 54)

01 54 23 00-0001	Scaffolding <small>(01 54 23)</small>	
	<i>Note: Additional scaffolding rental for work above the normal working height of 14'.</i>	
01 54 23 00-0002	Scaffolding Rental - Rental Only <small>(01 54 23 00-0001)</small>	
	<i>Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.</i>	
01 54 23 00-0003	CCF Scaffolding With Bracing Accessories - Area Based On 5' Wide x 7' Long Sections (CCF / Month).....	20.84
	<i>For Up To 25, Add</i>	8.34
	<i>For >25 To 50, Add</i>	5.21
	<i>For >50 To 150, Add</i>	2.08
01 54 23 00-0004	CCF Scaffolding With Bracing Accessories - Area Based On 4' Wide x 7' Long Sections (CCF / Month).....	23.44
	<i>For Up To 25, Add</i>	9.38
	<i>For >25 To 50, Add</i>	5.86
	<i>For >50 To 150, Add</i>	2.34
01 54 23 00-0005	CCF Scaffolding With Bracing Accessories - Area Based On 3' Wide x 7' Long Sections (CCF / Month).....	31.26
	<i>For Up To 25, Add</i>	12.50
	<i>For >25 To 50, Add</i>	7.82
	<i>For >50 To 150, Add</i>	3.13

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only (01 54 23 00-0001)

Note: Includes both erection and dismantling of scaffolding. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF Up To 20' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	37.52
	<i>Note: Includes both erection and dismantling of scaffolding.</i>	
01 54 23 00-0008	CCF >20' To 40' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	46.91
	<i>Note: Includes both erection and dismantling of scaffolding.</i>	
01 54 23 00-0009	CCF >40' To 60' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	56.29
	<i>Note: Includes both erection and dismantling of scaffolding.</i>	
01 54 23 00-0010	CCF >60' To 80' Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories.....	61.91
	<i>Note: Includes both erection and dismantling of scaffolding.</i>	
01 54 23 00-0011	CCF >80' Height Scaffolding Erection And Dismantling, Per CCF Of Scaffolding And Accessories	71.29
	<i>Note: Includes both erection and dismantling of scaffolding.</i>	

01 54 23 00-0012 Rolling Scaffolding (01 54 23)

Note: Includes moving to perform task. No additional cost for relocating will be allowed.

01 54 23 00-0013	DAY Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	10.15
01 54 23 00-0014	WK Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	40.69
01 54 23 00-0015	MO Rolling Scaffolding 14' To 20' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	162.74
01 54 23 00-0016	DAY Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	17.00
01 54 23 00-0017	WK Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	68.08
01 54 23 00-0018	MO Rolling Scaffolding 21' To 40' Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section).....	272.36
01 54 23 00-0019	EA Rolling Scaffolding Erection And Dismantling - Height Up To 20'	85.37
	<i>Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 54 23 00-0020	EA	Rolling Scaffolding Erection And Dismantling - Height 21' To 40'	106.72
Note: Includes both erection and dismantling of scaffolding. Used to set-up scaffolding and dismantle for return, per rolling scaffold per job.			

01 54 26 Temporary Swing Staging (01 54)

Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.

01 54 26 00-0001	MO	Swing Stage (01 54 26) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.	
01 54 26 00-0002	MO	Swing Stage, Electric Operated	1,497.38
01 54 26 00-0003	MO	Swing Stage, Manually Operated, With Ropes, Winch, Support Hooks, Etcetera	539.71
01 54 26 00-0004	EA	Swing Stage Erection And Dismantling	396.80
Note: Includes both erection and dismantling of swing stage.			
01 54 26 00-0005	EA	Move Swing Stage To Different Roof At Same Site	186.48
01 54 26 00-0006	EA	Move Swing Stage To Different Location At Same Roof	86.07

01 54 29 Temporary Sidewalk Protection (01 54)

01 54 29 00-0001	LF	Sidewalk Bridge (01 54 29)	
01 54 29 00-0002	LF	Installation of Sidewalk Bridge (01 54 29 00-0001)	
01 54 29 00-0003	LF	Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	63.79
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.			
For 3 Post System, Add			6.00
For Each Additional Foot Over 8' Wide, Add			3.00
For Each Additional Foot Over 8' High, Add			2.00
01 54 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	3.06
01 54 29 00-0005	LF	Monthly Rental of Sidewalk Bridge (01 54 29 00-0001)	
01 54 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	5.34
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			0.80
01 54 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	6.01
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			0.90
01 54 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	6.67
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.00
01 54 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	6.67
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.00
01 54 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	7.34
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.10
01 54 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	8.67
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.30
01 54 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	8.01
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.20
01 54 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	9.34
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.40
01 54 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	10.01
Note: Includes spanning openings, planking and parapet, lighting and maintenance.			
For 3 Post System, Add			1.50
01 54 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	1.00
01 54 29 00-0016	LF	Removal of Sidewalk Bridge (01 54 29 00-0001)	
01 54 29 00-0017	LF	Removal of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly	24.99
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.			
For 3 Post System, Add			2.50
For Each Additional Foot Over 8' Wide, Add			1.25
For Each Additional Foot Over 8' High, Add			0.75
01 54 29 00-0018	LF	Removal of Netting for Sidewalk Bridge	1.53

01 55 Vehicular Access And Parking (01 55)

01 55 23 Temporary Roads (01 55)

01	01	General Requirements
	01 50	Temporary Facilities And Controls
	01 55	Vehicular Access And Parking



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 23 00-0001	Temporary Stabilized Construction Entrance ^(01 55 23)	
01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly	2.40	
Note: Includes excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly	3.16	
Note: Includes excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0004	Rumble Trench Plate ^(01 55 23)	
01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental	200.00	
01 55 23 00-0006 EA Place And Remove Rumble Plate	71.82	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate	17.96	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 26	Traffic Control ^(01 55)	
01 55 26 00-0001	Removable Preformed Traffic Black Line Mask ^(01 55 26)	
Note: Includes installation and removal after use.		
01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask	4.07	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask	4.96	
01 55 26 00-0004	Temporary Preformed Traffic Line Tape ^(01 55 26)	
Note: Includes installation and removal after use.		
01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape	3.11	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape	4.12	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape	5.06	
01 55 26 00-0008	Temporary Painted Traffic Lines ^(01 55 26)	
Note: Includes installation and removal after use.		
01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines	2.76	
<i>For Not Removed, Deduct</i>		
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines	3.67	
<i>For Not Removed, Deduct</i>		
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines	4.63	
<i>For Not Removed, Deduct</i>		
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.11	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	2.12	
01 55 26 00-0014	Pedestrian Traffic Control ^(01 55 26)	
01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	10.61	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.45	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	7.48	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	9.43	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	10.66	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non Fluorescent	15.60	
01 55 26 00-0021 CLF 1" Exterior Vinyl Tape (Warning Tape)	13.30	
01 55 26 00-0022 CLF 2" Exterior Vinyl Tape (Warning Tape)	19.55	
01 55 26 00-0023 CLF 3" Exterior Vinyl Tape (Warning Tape)	25.66	
01 55 26 00-0024 CLF 4" Exterior Vinyl Tape (Warning Tape)	30.10	
01 55 26 00-0025	Traffic Protection ^(01 55 26)	
01 55 26 00-0026	Portable Traffic Control Device Rental ^(01 55 26 00-0026)	
Note: Excludes placing and removing devices.		
01 55 26 00-0027 DAY 28" Cone With Reflective Collar	0.43	
01 55 26 00-0028 WK 28" Cone With Reflective Collar	1.29	
01 55 26 00-0029 MO 28" Cone With Reflective Collar	3.86	
01 55 26 00-0030 DAY Vertical Panel	1.30	
01 55 26 00-0031 WK Vertical Panel	3.89	
01 55 26 00-0032 MO Vertical Panel	11.67	
01 55 26 00-0033 DAY Channelizer Drum	1.41	
01 55 26 00-0034 WK Channelizer Drum	4.22	
01 55 26 00-0035 MO Channelizer Drum	12.67	
01 55 26 00-0036 DAY Stackable Channelizer Panel	0.67	
01 55 26 00-0037 WK Stackable Channelizer Panel	2.00	
01 55 26 00-0038 MO Stackable Channelizer Panel	5.99	
01 55 26 00-0039 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	0.92	
01 55 26 00-0040 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	2.77	
01 55 26 00-0041 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	8.30	
01 55 26 00-0042 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	2.04	
01 55 26 00-0043 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	6.13	
01 55 26 00-0044 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	18.39	
01 55 26 00-0045 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails	2.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0046 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	6.99	
01 55 26 00-0047 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	20.96	
01 55 26 00-0048 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	4.26	
01 55 26 00-0049 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	12.78	
01 55 26 00-0050 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	38.34	
01 55 26 00-0051 DAY Up To 10' Wide A Frame Barricade.....	2.34	
01 55 26 00-0052 WK Up To 10' Wide A Frame Barricade.....	7.01	
01 55 26 00-0053 MO Up To 10' Wide A Frame Barricade.....	21.03	
01 55 26 00-0054 DAY Type A Or C Flasher.....	0.48	
01 55 26 00-0055 WK Type A Or C Flasher.....	1.43	
01 55 26 00-0056 MO Type A Or C Flasher.....	4.29	
01 55 26 00-0057 DAY Type B Flasher (High Intensity).....	2.58	
01 55 26 00-0058 WK Type B Flasher (High Intensity).....	7.75	
01 55 26 00-0059 MO Type B Flasher (High Intensity).....	23.25	
01 55 26 00-0060 Traffic Barriers Rental (01 55 26 00-0025)		
Note: Excludes placing and removing devices.		
01 55 26 00-0061 DAY 6' Long Portable Parking Curbs.....	1.11	
01 55 26 00-0062 WK 6' Long Portable Parking Curbs.....	3.34	
01 55 26 00-0063 MO 6' Long Portable Parking Curbs.....	10.02	
01 55 26 00-0064 DAY 6' Long Portable Speed Bumps.....	3.29	
01 55 26 00-0065 WK 6' Long Portable Speed Bumps.....	9.88	
01 55 26 00-0066 MO 6' Long Portable Speed Bumps.....	29.64	
01 55 26 00-0067 DAY Up To 12.5' Concrete Traffic Barrier.....	7.91	
01 55 26 00-0068 WK Up To 12.5' Concrete Traffic Barrier.....	23.73	
01 55 26 00-0069 MO Up To 12.5' Concrete Traffic Barrier.....	71.20	
01 55 26 00-0070 DAY >12.5' To 20' Concrete Traffic Barrier.....	15.82	
01 55 26 00-0071 WK >12.5' To 20' Concrete Traffic Barrier.....	47.47	
01 55 26 00-0072 MO >12.5' To 20' Concrete Traffic Barrier.....	142.40	
01 55 26 00-0073 DAY 6' x 32" Tall Plastic Water Barrier.....	9.45	
01 55 26 00-0074 WK 6' x 32" Tall Plastic Water Barrier.....	28.34	
01 55 26 00-0075 MO 6' x 32" Tall Plastic Water Barrier.....	85.03	
01 55 26 00-0076 DAY 6' x 46" Tall Plastic Water Barrier.....	13.49	
01 55 26 00-0077 WK 6' x 46" Tall Plastic Water Barrier.....	40.47	
01 55 26 00-0078 MO 6' x 46" Tall Plastic Water Barrier.....	121.41	
01 55 26 00-0079 DAY Sand Filled Crash Attenuator Barrels.....	5.28	
01 55 26 00-0080 WK Sand Filled Crash Attenuator Barrels.....	15.84	
01 55 26 00-0081 MO Sand Filled Crash Attenuator Barrels.....	47.52	
01 55 26 00-0082 Portable Signs And Message Displays Rental (01 55 26 00-0025)		
Note: Excludes placing and removing devices.		
01 55 26 00-0083 DAY Mesh Or Vinyl Roll-up Sign With Stand.....	4.15	
01 55 26 00-0084 WK Mesh Or Vinyl Roll-up Sign With Stand.....	12.44	
01 55 26 00-0085 MO Mesh Or Vinyl Roll-up Sign With Stand.....	37.31	
01 55 26 00-0086 DAY Aluminum Sign And Post.....	2.35	
01 55 26 00-0087 WK Aluminum Sign And Post.....	7.04	
01 55 26 00-0088 MO Aluminum Sign And Post.....	21.14	
01 55 26 00-0089 DAY Aluminum Sign And A Frame Stand.....	3.13	
01 55 26 00-0090 WK Aluminum Sign And A Frame Stand.....	9.40	
01 55 26 00-0091 MO Aluminum Sign And A Frame Stand.....	28.21	
01 55 26 00-0092 DAY Trailer Mounted Arrow Board.....	47.99	
01 55 26 00-0093 WK Trailer Mounted Arrow Board.....	143.98	
01 55 26 00-0094 MO Trailer Mounted Arrow Board.....	431.95	
01 55 26 00-0095 DAY Trailer Mounted Message Board.....	183.00	
01 55 26 00-0096 WK Trailer Mounted Message Board.....	549.00	
01 55 26 00-0097 MO Trailer Mounted Message Board.....	1,647.00	
01 55 26 00-0098 DAY Trailer Mounted Traffic Signal.....	258.20	
01 55 26 00-0099 WK Trailer Mounted Traffic Signal.....	1,704.12	
01 55 26 00-0100 MO Trailer Mounted Traffic Signal.....	6,713.20	
01 55 26 00-0101 Place And Remove Traffic Protection Using Truck (01 55 26 00-0025)		
Note: Includes delivery and return up to 15 miles.		
01 55 26 00-0102 EA Place And Remove Up To 250 Cones Using Truck.....	3.53	
01 55 26 00-0103 EA Place And Remove >250 Cones Using Truck.....	2.82	
01 55 26 00-0104 EA Place And Remove Up To 250 Panels/Channelizers Using Truck.....	4.70	
01 55 26 00-0105 EA Place And Remove >250 Panels/Channelizers Using Truck.....	3.76	
01 55 26 00-0106 EA Place And Remove Up To 250 Barricades Using Truck.....	7.05	
01 55 26 00-0107 EA Place And Remove >250 Barricades Using Truck.....	5.65	
01 55 26 00-0108 EA Place And Remove Curbs/Speed Bumps Using Truck.....	7.05	
01 55 26 00-0109 EA Place And Remove Portable Sign And Stand Using Truck.....	4.23	
01 55 26 00-0110 EA Place And Remove Aluminum Sign And Post Using Truck.....	17.64	
01 55 26 00-0111 EA Place And Remove Trailer Mounted Boards Using Truck.....	52.92	
01 55 26 00-0112 EA Place And Remove Up To 12.5' Concrete Traffic Barrier.....	71.82	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
For 1 Barrier, Add	179.55	
For 2 Barriers, Add	64.64	
For 3 Barriers, Add	21.55	

01	General Requirements
01 50	Temporary Facilities And Controls
01 55	Vehicular Access And Parking



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0113	EA		Place And Remove >12.5' Concrete Traffic Barrier .....107.73 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	269.33	
			For 2 Barriers, Add	96.96	
			For 3 Barriers, Add	32.32	
01 55 26 00-0114	EA		Place And Remove Plastic Water Barrier .....37.42 Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	89.78	
			For 2 Barriers, Add	32.32	
			For 3 Barriers, Add	10.77	
01 55 26 00-0115	EA		Place And Remove Crash Attenuator Barrels.....53.87 Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
			For 1 Barrier, Add	134.68	
			For 2 Barriers, Add	48.48	
			For 3 Barriers, Add	16.16	
01 55 26 00-0116			Place And Remove Traffic Protection From Roadside (Daily) (01 55 26 00-0025)		
01 55 26 00-0117	EA		Place And Remove Up To 250 Cones By Hand From Roadside .....1.76		
01 55 26 00-0118	EA		Place And Remove >250 Cones By Hand From Roadside.....1.42		
01 55 26 00-0119	EA		Place And Remove Up To 250 Panels/Channelizers By Hand From Roadside.....2.35		
01 55 26 00-0120	EA		Place And Remove >250 Panels/Channelizers By Hand From Roadside .....1.87		
01 55 26 00-0121	EA		Place And Remove Up To 250 Barricades By Hand From Roadside .....3.53		
01 55 26 00-0122	EA		Place And Remove >250 Barricades By Hand From Roadside .....2.82		
01 55 26 00-0123	EA		Place And Remove Portable Sign And Stand From Roadside.....2.18		
01 55 26 00-0124	EA		Place And Remove Trailer Mounted Boards From Roadside .....26.47		
01 55 26 00-0125	EA		Roadside Relocation Of Concrete Traffic Barrier .....35.91 Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 56			Temporary Barriers And Enclosures (01 50)		
			Note: Includes removal after use.		
01 56 26			Temporary Fencing (01 56)		
01 56 26 00-0001			Temporary Fencing (01 56 26) Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0002			Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0003			Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF		Temporary 4' High Chain Link Fence And Posts, Up To 6 Months .....3.15		
			For >100 To 250, Deduct	-0.16	
			For >250 To 500, Deduct	-0.32	
			For >500, Deduct	-0.47	
			For Shade Cloth, Add	1.60	
01 56 26 00-0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months .....3.56		
			For >100 To 250, Deduct	-0.18	
			For >250 To 500, Deduct	-0.36	
			For >500, Deduct	-0.53	
			For Shade Cloth, Add	2.55	
01 56 26 00-0006	LF		Temporary 8' High Chain Link Fence And Posts, Up To 6 Months .....6.01		
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.60	
			For >500, Deduct	-0.90	
			For Shade Cloth, Add	3.60	
01 56 26 00-0007	LF		Temporary 10' High Chain Link Fence And Posts, Up To 6 Months .....17.88		
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.79	
			For >500, Deduct	-2.68	
			For Shade Cloth, Add	4.75	
01 56 26 00-0008			Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF		Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months .....3.48		
			For >100 To 250, Deduct	-0.17	
			For >250 To 500, Deduct	-0.35	
			For >500, Deduct	-0.52	
			For Shade Cloth, Add	1.60	
01 56 26 00-0010	LF		Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months .....3.91		
			For >100 To 250, Deduct	-0.20	
			For >250 To 500, Deduct	-0.39	
			For >500, Deduct	-0.59	
			For Shade Cloth, Add	2.55	
01 56 26 00-0011	LF		Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months .....6.61		
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.66	
			For >500, Deduct	-0.99	
			For Shade Cloth, Add	3.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0012 LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	19.66	
<i>For >100 To 250, Deduct</i>	-0.98	
<i>For >250 To 500, Deduct</i>	-1.97	
<i>For >500, Deduct</i>	-2.95	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0013 Temporary Chain Link Fence, >12 To 18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	3.83	
<i>For >100 To 250, Deduct</i>	-0.19	
<i>For >250 To 500, Deduct</i>	-0.38	
<i>For >500, Deduct</i>	-0.57	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	4.31	
<i>For >100 To 250, Deduct</i>	-0.22	
<i>For >250 To 500, Deduct</i>	-0.43	
<i>For >500, Deduct</i>	-0.65	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	7.28	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.73	
<i>For >500, Deduct</i>	-1.09	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	21.63	
<i>For >100 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-2.16	
<i>For >500, Deduct</i>	-3.24	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0018 Temporary Chain Link Fence, >18 Months <small>(01 56 26 00-0002)</small>		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months.....	4.21	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.42	
<i>For >500, Deduct</i>	-0.63	
<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months.....	4.72	
<i>For >100 To 250, Deduct</i>	-0.24	
<i>For >250 To 500, Deduct</i>	-0.47	
<i>For >500, Deduct</i>	-0.71	
<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months.....	7.99	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.80	
<i>For >500, Deduct</i>	-1.20	
<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	23.78	
<i>For >100 To 250, Deduct</i>	-1.19	
<i>For >250 To 500, Deduct</i>	-2.38	
<i>For >500, Deduct</i>	-3.57	
<i>For Shade Cloth, Add</i>	4.75	
01 56 26 00-0023 Temporary Chain Link Fence Gates <small>(01 56 26 00-0001)</small>		
Note: Includes set-up and removal. Excludes auguring/drilling for posts.		
01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0023)</small>		
01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	200.98	
<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	312.64	
<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	357.30	
<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	401.96	
<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	491.28	
<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	535.97	
<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months <small>(01 56 26 00-0024)</small>		
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	210.12	
<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	326.84	
<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	373.53	
<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	420.25	
<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
<i>For Shade Cloth, Add</i>	119.58	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0038	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	560.31	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0039			8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0040	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	231.13	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0041	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	359.54	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0042	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	410.90	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0043	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	462.26	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0044	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	564.99	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0045	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	616.35	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0046			10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)		
01 56 26 00-0047	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	288.91	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0048	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	449.42	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0049	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	513.62	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0050	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	577.83	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0051	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	706.23	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0052	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	770.43	
			<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0053			Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0023)		
01 56 26 00-0054			4' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0055	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	211.03	
			<i>For Shade Cloth, Add</i>	15.01	
01 56 26 00-0056	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	328.27	
			<i>For Shade Cloth, Add</i>	37.52	
01 56 26 00-0057	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	375.17	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0058	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	422.06	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0059	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	515.84	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0060	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	562.76	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0061			6' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0062	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	220.63	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0063	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	343.19	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0064	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	392.21	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0065	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	441.26	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0066	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	539.30	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0067	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	588.33	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0068			8' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		
01 56 26 00-0069	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	242.69	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0070	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	377.51	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0071	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	431.44	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0072	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	485.37	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0073	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	593.23	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0074	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	647.16	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0075			10' High, Temporary Chain Link Fence Gates, >6 To 12 Months (01 56 26 00-0053)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0076 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	303.36 44.55	
01 56 26 00-0077 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	471.89 111.38	
01 56 26 00-0078 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	539.30 133.65	
01 56 26 00-0079 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	606.72 167.07	
01 56 26 00-0080 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	741.54 222.76	
01 56 26 00-0081 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months <i>For Shade Cloth, Add</i>	808.96 267.31	
01 56 26 00-0082 Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0023)		
01 56 26 00-0083 4' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0084 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	221.58 15.01	
01 56 26 00-0085 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	344.69 37.52	
01 56 26 00-0086 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	393.93 45.02	
01 56 26 00-0087 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	443.16 56.28	
01 56 26 00-0088 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	541.64 75.03	
01 56 26 00-0089 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	590.90 90.04	
01 56 26 00-0090 6' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0091 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	231.66 23.92	
01 56 26 00-0092 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	360.35 59.79	
01 56 26 00-0093 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	411.82 71.75	
01 56 26 00-0094 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	463.32 89.69	
01 56 26 00-0095 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	566.27 119.58	
01 56 26 00-0096 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	617.74 143.50	
01 56 26 00-0097 8' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0098 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	254.82 33.77	
01 56 26 00-0099 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	396.39 84.41	
01 56 26 00-0100 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	453.02 101.30	
01 56 26 00-0101 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	509.64 126.62	
01 56 26 00-0102 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	622.90 168.83	
01 56 26 00-0103 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	679.52 202.59	
01 56 26 00-0104 10' High, Temporary Chain Link Fence Gates, >12 To 18 Months (01 56 26 00-0082)		
01 56 26 00-0105 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	318.53 44.55	
01 56 26 00-0106 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	495.49 111.38	
01 56 26 00-0107 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	566.27 133.65	
01 56 26 00-0108 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	637.05 167.07	
01 56 26 00-0109 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	778.62 222.76	
01 56 26 00-0110 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months <i>For Shade Cloth, Add</i>	849.40 267.31	
01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	232.13 15.01	
01 56 26 00-0114 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months <i>For Shade Cloth, Add</i>	361.10 37.52	

01	General Requirements
01 50	Temporary Facilities And Controls
01 56	Temporary Barriers And Enclosures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	412.68	
			<i>For Shade Cloth, Add</i>	45.02	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	464.27	
			<i>For Shade Cloth, Add</i>	56.28	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	567.43	
			<i>For Shade Cloth, Add</i>	75.03	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	619.04	
			<i>For Shade Cloth, Add</i>	90.04	
01 56 26 00-0119			6' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	242.69	
			<i>For Shade Cloth, Add</i>	23.92	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	377.50	
			<i>For Shade Cloth, Add</i>	59.79	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	431.43	
			<i>For Shade Cloth, Add</i>	71.75	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	485.38	
			<i>For Shade Cloth, Add</i>	89.69	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
			<i>For Shade Cloth, Add</i>	119.58	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	647.16	
			<i>For Shade Cloth, Add</i>	143.50	
01 56 26 00-0126			8' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	266.96	
			<i>For Shade Cloth, Add</i>	33.77	
01 56 26 00-0128	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	415.26	
			<i>For Shade Cloth, Add</i>	84.41	
01 56 26 00-0129	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	474.59	
			<i>For Shade Cloth, Add</i>	101.30	
01 56 26 00-0130	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	533.91	
			<i>For Shade Cloth, Add</i>	126.62	
01 56 26 00-0131	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	652.56	
			<i>For Shade Cloth, Add</i>	168.83	
01 56 26 00-0132	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	711.88	
			<i>For Shade Cloth, Add</i>	202.59	
01 56 26 00-0133			10' High, Temporary Chain Link Fence Gates, >18 Months <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	333.69	
			<i>For Shade Cloth, Add</i>	44.55	
01 56 26 00-0135	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	519.08	
			<i>For Shade Cloth, Add</i>	111.38	
01 56 26 00-0136	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	593.23	
			<i>For Shade Cloth, Add</i>	133.65	
01 56 26 00-0137	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	667.39	
			<i>For Shade Cloth, Add</i>	167.07	
01 56 26 00-0138	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	815.70	
			<i>For Shade Cloth, Add</i>	222.76	
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	889.85	
			<i>For Shade Cloth, Add</i>	267.31	
01 56 26 00-0140			Temporary Chain Link Fence Panels (Portable) <small>(01 56 26 00-0001)</small>		
			Note: Includes set-up and removal. Excludes sandbags.		
01 56 26 00-0141			Temporary Chain Link Fence Panels (Portable), Up To 6 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	3.78	
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.38	
			<i>For >500, Deduct</i>	-0.57	
			<i>For Shade Cloth, Add</i>	1.60	
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	4.23	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.42	
			<i>For >500, Deduct</i>	-0.63	
			<i>For Shade Cloth, Add</i>	2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	6.82	
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.02	
			<i>For Shade Cloth, Add</i>	3.60	
01 56 26 00-0145			Temporary Chain Link Fence Panels (Portable), >6 To 12 Months <small>(01 56 26 00-0140)</small>		
01 56 26 00-0146	LF		Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	4.10	
			<i>For >100 To 250, Deduct</i>	-0.21	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500, Deduct</i>	-0.62	
			<i>For Shade Cloth, Add</i>	1.60	



General Requirements	01	
Temporary Facilities And Controls	01 50	10
Temporary Barriers And Enclosures	01 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	4.58	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.42	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.74	
For >500, Deduct	-1.11	
For Shade Cloth, Add	3.60	
01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	4.42	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.66	
For Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	4.99	
For >100 To 250, Deduct	-0.25	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.75	
For Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.09	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.21	
For Shade Cloth, Add	3.60	
01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months (01 56 26 00-0140)		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	4.83	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.48	
For >500, Deduct	-0.72	
For Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	5.39	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.81	
For Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	8.79	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.88	
For >500, Deduct	-1.32	
For Shade Cloth, Add	3.60	
01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	5.20	
Note: Includes placement and removal.		
01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)		
Note: Excludes auguring/drilling for posts.		
01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts.....	2.15	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts.....	3.23	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts.....	4.66	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts.....	5.74	
01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing.....	0.68	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing.....	0.82	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing.....	0.92	
01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	88.79	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	102.45	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	126.37	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	136.61	
01 56 26 00-0174 Temporary Safety Fence (01 56 26)		
Note: Includes removal after use.		
01 56 26 00-0175 LF Temporary Safety Fence, Plastic Mesh, 48" High With Posts At 8' On Center.....	2.37	
01 56 29 Temporary Protective Walkways (01 56)		

01 General Requirements**01 50 Temporary Facilities And Controls****01 56 Temporary Barriers And Enclosures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0001 Temporary Walkways And Railings (01 56 29)		
01 56 29 00-0002 LF Temporary Wooden Guardrail With Top-Rail With Two Side Rails On 36" High 2 x 4 Posts 18" On Center Attached To Walkway.....	8.88	
Note: Excludes walkway.		
01 56 29 00-0003 SF Temporary Walkway With 3/4" Plywood On 2 x 6 Stringers.....	4.41	
01 56 29 00-0004 RSR Temporary Stairs On 2 x 12 Stringers (Cost Per Riser).....	15.43	
01 56 29 00-0005 Safety Nets (01 56 29)		
01 56 29 00-0006 SF Small Mesh Debris Netting.....	1.35	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
01 56 33 Temporary Security Barriers (01 56)		
01 56 33 00-0001 Temporary Fiberglass Panels (01 56 33)		
01 56 33 00-0002 SF Prefabricated Fiberglass Panels.....	1.37	
01 56 33 00-0003 Temporary Safety Guardrail (01 56 33)		
Note: Includes removal after use.		
01 56 33 00-0004 LF 42" High, Wood Temporary Safety Guardrail.....	22.50	
Note: Includes 2" x 4" construction, top, middle and bottom horizontal rails, and post boots. For Attachment To A Concrete Substrate, Add	1.13	
01 56 33 00-0005 Board-up Opening With Plywood (01 56 33)		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0006 OPN Remove Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	10.25	
01 56 33 00-0007 SF Board-up Opening With 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	5.71	
01 56 33 00-0008 SF Board-up Opening With 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners.....	6.62	
01 56 33 00-0009 Street Barricade (01 56 33)		
01 56 33 00-0010 LF Temporary Street Barricade, Using 12" x 12" Beam As Base With 2" x 4" Top Warning Rail And Sides, Per Month.....	7.88	
01 56 39 Temporary Tree And Plant Protection (01 56)		
01 56 39 00-0001 Temporary Tree Guards (01 56 39)		
Note: Includes digging holes and removal.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	133.94	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	154.92	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	167.52	
01 57 Temporary Controls (01 50)		
01 57 13 Temporary Erosion And Sediment Control (01 57)		
See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
01 57 23 Temporary Storm Water Pollution Control (01 57)		
See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
01 58 Project Identification (01 50)		
Note: Includes removal after use.		
01 58 13 Temporary Project Signage (01 58)		
01 58 13 00-0001 Project Sign (01 58 13)		
01 58 13 00-0002 MDO Plywood Signs (01 58 13 00-0001)		
Note: Excludes posts.		
01 58 13 00-0003 ReflectORIZED, MDO Plywood Signs (01 58 13 00-0002)		
01 58 13 00-0004 Engineer Grade, ReflectORIZED, MDO Plywood Signs (01 58 13 00-0003)		
01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	99.53	18.79
For High-Intensity Grade, Add	21.69	
For Diamond Grade, Add	41.82	
01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	163.22	19.64
For High-Intensity Grade, Add	43.38	
For Diamond Grade, Add	83.65	
01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	226.88	20.50
For High-Intensity Grade, Add	65.06	
For Diamond Grade, Add	125.48	
01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, ReflectORIZED, MDO Plywood Sign.....	290.55	21.35
For High-Intensity Grade, Add	86.75	
For Diamond Grade, Add	167.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... <i>For High-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	9.11 2.71 5.23	0.68
01 58 13 00-0010 Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
01 58 13 00-0011 One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	121.64	18.79
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	143.42	19.64
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	177.12	20.50
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign	208.98	21.35
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non Reflectorized, MDO Plywood Sign.....	6.56	0.68
01 58 13 00-0017 Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign.....	124.00	18.79
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	156.18	19.64
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	190.09	20.50
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	220.10	21.35
01 58 13 00-0022 SF >32 SF, Full Color Design, Non Reflectorized, MDO Plywood Sign	6.90	0.68
01 58 13 00-0023 Fabricate And Install New Posts <small>(01 58 13 00-0001)</small> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts.....	10.76	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts	8.32	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts	9.77	
01 58 13 00-0027 Owner Supplied Signs <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Install And Remove Owner Supplied Project Sign.....	68.32	

01 60 Product Requirements (01)

01 66 Product Storage And Handling Requirements (01 60)

01 66 19 Material Handling (01 66)

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

01 66 19 00-0001 Material Handling Between Floors (01 66 19)

01 66 19 00-0002 CY Moving Material Via Stairs, Per CY Of Material Per Floor	7.51
Note: Quantity equals material volume times number of floors traveled.	
01 66 19 00-0003 CY Moving Material Via Elevator, Per CY Of Material	4.50
Note: Quantity equals material volume. If more than one elevator is used, the quantity is factored by the number of transfers.	

01 66 19 00-0004 Moving Furniture (01 66 19)

Note: To be used when contractor is required to move furniture. Not to be used when the amount of furniture is less than 55% of the total floor space. Moving of furniture which occupies less than 55% of the total floor space is considered as part of the coefficient adjustment factor.	
01 66 19 00-0005 SF Remove, Transport, Return And Reinstall Office Furniture.....	0.85
Note: Includes general, desks, tables, file cabinets (full), chairs, storage boxes, bookshelves, office equipment and computers (per SF of office area). Not to be used when amount of furniture is less than 55% of total floor space.	

01 66 19 00-0006 Material Handling For Distances Greater Than 125' (01 66 19)

01 66 19 00-0007 CY Handling Material For Over 125' Per CY Of Material Per 125'.....	3.56
Note: For delivery, demolition or miscellaneous moving required by owner.	

01 66 19 00-0008 Rubbish Handling Between Floors (01 66 19)

Note: Only use with selective demolition tasks to transfer demolished material more than 2-1/2 stories.	
01 66 19 00-0009 CY Rubbish Handling Via Stairs, Per CY Of Material Per Floor	6.83
Note: Quantity equals material volume times bulk factor times number of floors traveled.	
01 66 19 00-0010 CY Rubbish Handling Via Elevator, Per CY Of Material	4.09
Note: Quantity equals material volume times bulk factor. If more than one elevator is used, the quantity is factored by the number of transfers.	

01 70 Execution And Closeout Requirements (01)

01 71 Examination And Preparation (01 70)

01 71 13 Mobilization (01 71)

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 71	Examination And Preparation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 13 00-0001	Equipment Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>	
	Note: Excludes flagman for traffic control where necessary. See CSI section 01 22 23 00-0715 for cranes.	
01 71 13 00-0002	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....201.32	
	Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom manlifts with up to 40' boom lengths, etc.	
01 71 13 00-0003	EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed.....402.63	
	Note: Includes delivery of equipment, off loading on site, rigging, dismantling, loading and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom manlifts with >40' boom lengths, etc.	
01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>	
	Note: Includes delivery of equipment, off loading on site and rigging. Return includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.	
01 71 13 00-0005	EA Up To 20 Ton Lift Move On/Off Cost, Truck Mounted Crane .....260.40	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	65.10
	For >60 To 100 Miles Radius, Add	104.16
01 71 13 00-0006	EA 20 To 30 Ton Lift Move On/Off Cost, Truck Mounted Crane.....374.98	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	93.75
	For >60 To 100 Miles Radius, Add	149.99
01 71 13 00-0007	EA 40 To 50 Ton Lift Move On/Off Cost, Truck Mounted Crane.....499.97	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	124.99
	For >60 To 100 Miles Radius, Add	199.99
01 71 13 00-0008	EA 70 To 100 Ton Lift Move On/Off Cost, Truck Mounted Crane.....812.45	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	203.11
	For >60 To 100 Miles Radius, Add	324.98
01 71 13 00-0009	EA 75 Ton Lift Move On/Off Cost, Mechanical Crane.....641.63	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	160.41
	For >60 To 100 Miles Radius, Add	256.65
01 71 13 00-0010	EA 100 Ton Lift Move On/Off Cost, Mechanical Crane.....1,041.60	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	260.40
	For >60 To 100 Miles Radius, Add	416.64
01 71 13 00-0011	EA 125 Ton Lift Move On/Off Cost, Mechanical Crane.....1,291.58	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	322.90
	For >60 To 100 Miles Radius, Add	516.63
01 71 13 00-0012	EA 150 Ton Lift Move On/Off Cost, Mechanical Crane.....1,604.06	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	401.02
	For >60 To 100 Miles Radius, Add	641.62
01 71 13 00-0013	EA 250 Ton Lift Move On/Off Cost, Mechanical Crane.....2,916.48	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	729.12
	For >60 To 100 Miles Radius, Add	1,166.59
01 71 13 00-0014	EA 300 Ton Lift Move On/Off Cost, Mechanical Crane.....4,166.40	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	1,041.60
	For >60 To 100 Miles Radius, Add	1,666.56
01 71 13 00-0015	EA 500 Ton Lift Move On/Off Cost, Mechanical Crane.....6,249.60	
	Note: Includes delivery and pickup.	
	For >30 To 60 Miles Radius, Add	1,562.40
	For >60 To 100 Miles Radius, Add	2,499.84

01 71 23 Field Engineering (01 71)

01 71 23 16 Construction Surveying (01 71 23)

01 71 23 16-0001	Conventional Topographic Survey <small>(01 71 23 16)</small>	
	Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.	
01 71 23 16-0002	ACR Survey Clear Area With Few To No Obstacles .....739.07	
01 71 23 16-0003	ACR Survey Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings) .....2,101.47	
01 71 23 16-0004	ACR Survey Clear Area With Few Structures, And/Or Wooded (5-25% Buildings).....3,014.50	
01 71 23 16-0005	ACR Survey Developed Areas With Several Structures (25-65% Buildings).....4,559.14	
01 71 23 16-0006	ACR Survey Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings).....5,717.77	

01 71 23 16-0007 Property Lines Survey (01 71 23 16)

	Note: Not to be added to tasks in the "Conventional Topographic Survey" section.	
01 71 23 16-0008	LF Survey Property Lines On Cleared Land .....1.73	
01 71 23 16-0009	LF Survey Property Lines On Slightly Wooded Land .....2.00	
01 71 23 16-0010	LF Survey Property Lines On Wooded Land.....2.35	



General Requirements	01	10
Execution And Closeout Requirements	01 70	
Examination And Preparation	01 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 23 16-0011 Survey Monument <small>(01 71 23 16)</small>		
01 71 23 16-0012 EA 3' Precast Survey Monument.....	116.29	
<i>For Owner Furnished Monument, Deduct</i>	-48.83	
01 71 23 16-0013 EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	162.33	
01 71 23 16-0014 EA Riser Ring For Survey Monument.....	82.25	
01 71 23 16-0015 EA Adjust Survey Monument Cover To Grade.....	48.83	
01 71 23 16-0016 Facade Surveying <small>(01 71 23 16)</small>		
01 71 23 16-0017 LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	4.73	
01 71 23 16-0018 Utility Survey <small>(01 71 23 16)</small>		
Note: This survey is only for the location of underground utilities.		
01 71 23 16-0019 ACR Survey Clear Area For Underground Utilities.....	3,935.74	
01 71 36 Non-Destructive Concrete Examination <small>(01 71)</small>		
01 71 36 00-0001 X-Ray And Electromagnetic Survey <small>(01 71 36)</small>		
Note: To locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR). Includes printed reports.		
01 71 36 00-0002 X-Ray Or Electromagnetic Survey Minimum Set-Up Charge <small>(01 71 36 00-0001)</small>		
01 71 36 00-0003 EA X-Ray Or Electromagnetic Survey Minimum Set-Up Charge.....	631.89	
Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
01 71 36 00-0004 X-Ray Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0005 EA X-Ray Survey Up To 2 SF Of Concrete, Masonry Or Asphalt.....	138.02	
<i>For >8 To 25, Deduct</i>	-31.25	
01 71 36 00-0006 Electromagnetic (SIR/GPR) Survey <small>(01 71 36 00-0001)</small>		
01 71 36 00-0007 EA Electromagnetic (SIR/GPR) Survey Up To 4 SF Of Concrete, Masonry Or Asphalt.....	276.05	
01 71 36 00-0008 EA Electromagnetic (SIR/GPR) Survey >4 To 500 SF Of Concrete, Masonry Or Asphalt.....	552.10	
01 71 36 00-0009 SF Electromagnetic (SIR/GPR) Survey >500 SF Of Concrete, Masonry Or Asphalt.....	1.10	
01 74 Cleaning And Waste Management <small>(01 70)</small>		
01 74 13 Progress Cleaning <small>(01 74)</small>		
Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.		
01 74 13 00-0001 General <small>(01 74 13)</small>		
01 74 13 00-0002 CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	17.09	
01 74 13 00-0003 CY Collect Existing Debris And Load Into Truck Or Dumpster.....	20.02	
Note: Per CY of debris removed.		
01 74 16 Site Maintenance <small>(01 74)</small>		
01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance <small>(01 74 16)</small>		
Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Do not use these tasks in conjunction with related installation/demolition tasks in the Construction Task Catalog®.		
01 74 16 00-0002 Parking Lot, Road, And Street Sweeping <small>(01 74 16 00-0001)</small>		
01 74 16 00-0003 MSF Sweep Parking Lot, With Street Sweeper.....	14.74	
01 74 16 00-0004 MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	17.69	
01 74 16 00-0005 MSF Sweep Runway, With Street Sweep.....	22.12	
01 74 19 Construction Waste Management And Disposal <small>(01 74)</small>		
Note: Tasks in this section shall be used as directed by owner.		
01 74 19 00-0001 Debris Chutes <small>(01 74 19)</small>		
Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002 Steel Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0003 LF 18" Diameter, Steel Temporary Debris Chute.....	23.71	
01 74 19 00-0004 LF 30" Diameter, Steel Temporary Debris Chute.....	35.52	
01 74 19 00-0005 Plastic Temporary Debris Chutes <small>(01 74 19 00-0001)</small>		
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute.....	9.38	
<i>For Steel Liner, Add</i>	1.80	
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute.....	10.73	
<i>For Steel Liner, Add</i>	2.06	
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute.....	12.10	
<i>For Steel Liner, Add</i>	2.32	

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 74	Cleaning And Waste Management



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 74 19 00-0009 Wood Temporary Debris Chutes (01 74 19 00-0001)

01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute 17.95
 Note: Includes fabrication and installation.

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

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

01 74 19 00-0012 EA 6 CY Dumpster (1 Ton) "Construction Debris" 278.83
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.
For Each Ton Over Indicated Amount, Add 42.00

01 74 19 00-0013 EA 10 CY Dumpster (1.5 Ton) "Construction Debris" 310.69
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.
For Each Ton Over Indicated Amount, Add 42.00

01 74 19 00-0014 EA 15 CY Dumpster (2 Ton) "Construction Debris" 309.21
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.
For Each Ton Over Indicated Amount, Add 42.00

01 74 19 00-0015 EA 20 CY Dumpster (3 Ton) "Construction Debris" 419.60
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.
For Each Ton Over Indicated Amount, Add 42.00

01 74 19 00-0016 EA 30 CY Dumpster (4 Ton) "Construction Debris" 477.99
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.
For Each Ton Over Indicated Amount, Add 42.00

01 74 19 00-0017 EA 40 CY Dumpster (5 Ton) "Construction Debris" 578.41
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.
For Each Ton Over Indicated Amount, Add 42.00

01 74 19 00-0018 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" 578.41
 Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.

01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Clean Recyclable 664.35
 Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.

01 74 19 00-0020 EA 15 CY Low-Boy Dumpster Mixed Recyclable 713.92
 Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.

01 74 19 00-0021 Concrete Washout Service (01 74 19)

01 74 19 00-0022 MO Rampless Concrete Washout Bin 361.10
 Note: Includes delivery.

01 74 19 00-0023 MO Ramped Concrete Washout Bin 433.32
 Note: Includes delivery.

01 74 19 00-0024 EA Interim Vacuum Service, Concrete Washout Bin 309.84
 Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.

01 74 19 00-0025 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin 671.32
 Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.

01 74 19 00-0026 Debris Processing Fee (01 74 19)

01 74 19 00-0027 Recycler Fees (01 74 19 00-0026)

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

01 74 19 00-0028 CY Drop-Off Asphalt At Recycling Center 14.48

01 74 19 00-0029 CY Drop-Off Concrete At Recycling Center 7.24

01 74 19 00-0030 Landfill Dump Fees (01 74 19 00-0026)

Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0050 for hauling.

01 74 19 00-0031 CY Traditional Building Construction Materials Landfill Dump Fee 9.64

01 74 19 00-0032 CY Trees, Stumps And Brush, Landfill Dump Fee 11.60

01 74 19 00-0033 CY Rubbish Landfill Dump Fee 9.46

01 74 19 00-0034 CY Hazardous Materials And Rubbish (Paint Cans, Etcetera) Landfill Dump Fee 27.66

01 74 19 00-0035 CY Excavated Dirt Landfill Dump Fee 9.28

01 74 19 00-0036 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee 19.66

01 74 19 00-0037 TON Traditional Building Construction Materials, Landfill Dump Fee 42.00

01 74 19 00-0038 CY Non Reinforced Concrete And/Or Rock, 2" Minus 4.20

01 74 19 00-0039 CY Reinforced Concrete And/Or Rock, 2" Minus, Rebar Trimmed To 1" 5.85

01 74 19 00-0040 CY Reinforced Concrete not trimmed, 2" Minus 10.40

01 74 19 00-0041 CY Mixed Asphalt And Concrete, Sized And Trimmed 3.85

01 74 19 00-0042 CY Asphalt Or Asphalt And Dirt, Sized To 2" Minus 5.85

01 74 19 00-0043 CY Reinforced Concrete And Asphalt, Not Trimmed, 2" Minus 12.50

01 74 19 00-0044 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash) 25.69

01 74 19 00-0045 CY Clay Loads, Expansive Materials 32.11

01 74 19 00-0046 CY Clean Asphalt, Sized 2" Minus, No Dirt 4.59



General Requirements	01	01
Execution And Closeout Requirements	01 70	
Cleaning And Waste Management	01 74	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0047 TON General Refuse.....	38.53	
01 74 19 00-0048 TON Hard-To-Handle Refuse.....	64.22	
01 74 19 00-0049 EA Tires.....	11.77	
01 74 19 00-0050 Hauling <small>(01 74 19)</small>		
<small>Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.</small>		
01 74 19 00-0051 CYM Hauling On Paved Roads, First 15 Miles	0.89	
01 74 19 00-0052 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.67	
01 74 19 00-0053 CYM Hauling On Unimproved Roads, First 15 Miles.....	1.22	
01 74 19 00-0054 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.00	
01 74 23 Final Cleaning <small>(01 74)</small>		
01 74 23 00-0001 Glass <small>(01 74 23)</small>		
01 74 23 00-0002 CSF Clean Existing Glass Surfaces.....	22.37	

END OF SECTION 01

01	01	General Requirements
	01 70	Execution And Closeout Requirements
	01 74	Cleaning And Waste Management



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Existing Conditions	02	02
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 Existing Conditions

02 20 Assessment ⁽⁰²⁾

02 25 Existing Material Assessment ^(02 20)

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

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

02 30 Subsurface Investigation ⁽⁰²⁾

02 32 Geotechnical Investigations ^(02 30)

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

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

02 32 13 00-0001		Auger Borings ^(02 32 13)		
02 32 13 00-0002	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals		22.28
02 32 13 00-0003		Cased Borings In Earth, With Samples ^(02 32 13)		
		Note: All types of soils.		
02 32 13 00-0004	LF	2-1/2" Diameter Cased Borings In Earth, With Samples		32.05
02 32 13 00-0005	LF	4" Diameter Cased Borings In Earth, With Samples		35.13
02 32 13 00-0006		Drilling In Rock, AW Core (1.25") ^(02 32 13)		
02 32 13 00-0007	LF	Drill In Rock, AW Core		66.20
		Note: Includes sampling.		
02 32 13 00-0008	EA	Drill In Rock, With AW Core Boxes		5.63
02 32 13 00-0009		Drilling In Rock, BW Core (2.125") ^(02 32 13)		
02 32 13 00-0010	LF	Drill In Rock, BW Core		71.18
		Note: Includes sampling.		
02 32 13 00-0011	LF	Drill In Rock, BW Core, With Casing		76.90
		Note: Includes sampling.		
02 32 13 00-0012	EA	Drill In Rock, With BW Core Boxes		5.63
02 32 13 00-0013		Drilling In Rock, NW Core (2.98") ^(02 32 13)		
02 32 13 00-0014	LF	Drill In Rock, NW Core		79.05
		Note: Includes sampling.		
02 32 13 00-0015	LF	Drill In Rock, NW Core, With Casing		85.73
		Note: Includes sampling.		
02 32 13 00-0016	EA	Drill In Rock, With NW Core Boxes		6.48
02 32 13 00-0017		Test Pits For Boring Activities ^(02 32 13)		
		Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.		
02 32 13 00-0018		Backhoe Dug Test Pits ^(02 32 13 00-0017)		
02 32 13 00-0019	CY	Excavation For Test Pit, Light Material, Backhoe Excavation		48.33
02 32 13 00-0020	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation		56.39
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation		75.19
02 32 13 00-0022		Hand-Dug Test Pits ^(02 32 13 00-0017)		
02 32 13 00-0023	CY	Excavation For Test Pit, Light Soil, Hand Excavation		151.79
02 32 13 00-0024	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation		273.22
02 32 13 00-0025		Shelby Tube Sampling ^(02 32 13)		
02 32 13 00-0026	EA	Shelby Tube Sampling		27.06
02 32 13 00-0027	EA	Penetration Test		22.05

02 40 Demolition And Structure Moving ⁽⁰²⁾

02 41 Demolition ^(02 40)

02 41 13 Selective Site Demolition ^(02 41)

02 41 13 13 Paving Removal ^(02 41 13)

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 13 13-0001	By Machine, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0046 for saw cutting.	
02 41 13 13-0002	SY Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving.....	4.96
	For >500 To 1,000, Deduct	-0.50
	For >1,000 To 2,500, Deduct	-0.89
	For >2,500 To 5,000, Deduct	-1.29
	For >5,000 To 10,000, Deduct	-1.69
	For >10,000, Deduct	-2.08
02 41 13 13-0003	SY >3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving.....	7.44
	For >500 To 1,000, Deduct	-0.74
	For >1,000 To 2,500, Deduct	-1.34
	For >2,500 To 5,000, Deduct	-1.93
	For >5,000 To 10,000, Deduct	-2.53
	For >10,000, Deduct	-3.12
02 41 13 13-0004	SY Up To 3" By Machine, Break-up And Leave In Place Concrete Paving.....	8.96
	For >500 To 1,000, Deduct	-0.90
	For >1,000 To 2,500, Deduct	-1.61
	For >2,500 To 5,000, Deduct	-2.33
	For >5,000 To 10,000, Deduct	-3.05
	For >10,000, Deduct	-3.76
02 41 13 13-0005	SY >3" To 6" By Machine, Break-up And Leave In Place Concrete Paving.....	12.66
	For >500 To 1,000, Deduct	-1.27
	For >1,000 To 2,500, Deduct	-2.28
	For >2,500 To 5,000, Deduct	-3.29
	For >5,000 To 10,000, Deduct	-4.30
	For >10,000, Deduct	-5.32
02 41 13 13-0006	SY >6" To 9" By Machine, Break-up And Leave In Place Concrete Paving.....	17.93
	For >500 To 1,000, Deduct	-1.79
	For >1,000 To 2,500, Deduct	-3.23
	For >2,500 To 5,000, Deduct	-4.66
	For >5,000 To 10,000, Deduct	-6.10
	For >10,000, Deduct	-7.53
02 41 13 13-0007	SY >9" To 14" By Machine, Break-up And Leave In Place Concrete Paving.....	25.31
	For >500 To 1,000, Deduct	-2.53
	For >1,000 To 2,500, Deduct	-4.56
	For >2,500 To 5,000, Deduct	-6.58
	For >5,000 To 10,000, Deduct	-8.61
	For >10,000, Deduct	-10.63
02 41 13 13-0008	SY >14" To 19" By Machine, Break-up And Leave In Place Concrete Paving.....	33.10
	For >500 To 1,000, Deduct	-3.31
	For >1,000 To 2,500, Deduct	-5.96
	For >2,500 To 5,000, Deduct	-8.61
	For >5,000 To 10,000, Deduct	-11.25
	For >10,000, Deduct	-13.90
02 41 13 13-0009	SY >19" To 24" By Machine, Break-up And Leave In Place Concrete Paving.....	43.03
	For >500 To 1,000, Deduct	-4.30
	For >1,000 To 2,500, Deduct	-7.75
	For >2,500 To 5,000, Deduct	-11.19
	For >5,000 To 10,000, Deduct	-14.63
	For >10,000, Deduct	-18.07
02 41 13 13-0010	By Hand, Break-up And Leave In Place Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 13 13-0031 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0046 for saw cutting.	
02 41 13 13-0011	SF Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.29
02 41 13 13-0012	SF >3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving.....	1.64
02 41 13 13-0013	SF >6" To 8" By Hand, Break-up And Leave In Place Bituminous Paving.....	2.17
02 41 13 13-0014	SF Up To 3" By Hand, Break-up And Leave In Place Concrete Paving.....	1.62
02 41 13 13-0015	SF >3" To 6" By Hand, Break-up And Leave In Place Concrete Paving.....	2.06
02 41 13 13-0016	SF Break-Up >6" To 8" Concrete Paving By Hand With Material Left In Place After Break-up.....	2.72
02 41 13 13-0017	By Machine, Break-up And Remove Bituminous And Concrete Paving <small>(02 41 13 13)</small>	
	Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.	
02 41 13 13-0018	SY Up To 3" By Machine, Break-up And Remove Bituminous Paving.....	10.01
	For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.00
	For Elevated Slab, Add	5.01
	For >500 To 1,000, Deduct	-1.00
	For >1,000 To 2,500, Deduct	-1.80
	For >2,500 To 5,000, Deduct	-2.60
	For >5,000 To 10,000, Deduct	-3.40
	For >10,000, Deduct	-4.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving.....	13.67	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.10	
For Elevated Slab, Add	6.84	
For >500 To 1,000, Deduct	-1.37	
For >1,000 To 2,500, Deduct	-2.46	
For >2,500 To 5,000, Deduct	-3.55	
For >5,000 To 10,000, Deduct	-4.65	
For >10,000, Deduct	-5.74	
02 41 13 13-0020 SY Up To 3" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	11.51	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	3.45	
For Elevated Slab, Add	5.76	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,500, Deduct	-2.07	
For >2,500 To 5,000, Deduct	-2.99	
For >5,000 To 10,000, Deduct	-3.91	
For >10,000, Deduct	-4.83	
02 41 13 13-0021 SY >3" To 6" By Machine, Break-up And Remove Non Reinforced Concrete Paving.....	15.07	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.52	
For Elevated Slab, Add	7.54	
For >500 To 1,000, Deduct	-1.51	
For >1,000 To 2,500, Deduct	-2.71	
For >2,500 To 5,000, Deduct	-3.92	
For >5,000 To 10,000, Deduct	-5.12	
For >10,000, Deduct	-6.33	
02 41 13 13-0022 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	15.28	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.58	
For Elevated Slab, Add	7.64	
For >500 To 1,000, Deduct	-1.53	
For >1,000 To 2,500, Deduct	-2.75	
For >2,500 To 5,000, Deduct	-3.97	
For >5,000 To 10,000, Deduct	-5.20	
For >10,000, Deduct	-6.42	
02 41 13 13-0023 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	19.80	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.94	
For Elevated Slab, Add	9.90	
For >500 To 1,000, Deduct	-1.98	
For >1,000 To 2,500, Deduct	-3.56	
For >2,500 To 5,000, Deduct	-5.15	
For >5,000 To 10,000, Deduct	-6.73	
For >10,000, Deduct	-8.32	
02 41 13 13-0024 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving.....	32.81	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.84	
For Elevated Slab, Add	16.41	
For >500 To 1,000, Deduct	-3.28	
For >1,000 To 2,500, Deduct	-5.91	
For >2,500 To 5,000, Deduct	-8.53	
For >5,000 To 10,000, Deduct	-11.16	
For >10,000, Deduct	-13.78	
02 41 13 13-0025 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	16.57	
For Elevated Slab, Add	8.29	
For >500 To 1,000, Deduct	-1.66	
For >1,000 To 2,500, Deduct	-2.98	
For >2,500 To 5,000, Deduct	-4.31	
For >5,000 To 10,000, Deduct	-5.63	
For >10,000, Deduct	-6.96	
02 41 13 13-0026 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	21.30	
For Elevated Slab, Add	10.65	
For >500 To 1,000, Deduct	-2.13	
For >1,000 To 2,500, Deduct	-3.83	
For >2,500 To 5,000, Deduct	-5.54	
For >5,000 To 10,000, Deduct	-7.24	
For >10,000, Deduct	-8.95	
02 41 13 13-0027 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	38.08	
For Elevated Slab, Add	19.04	
For >500 To 1,000, Deduct	-3.81	
For >1,000 To 2,500, Deduct	-6.85	
For >2,500 To 5,000, Deduct	-9.90	
For >5,000 To 10,000, Deduct	-12.95	
For >10,000, Deduct	-15.99	
02 41 13 13-0028 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	49.70	
For Elevated Slab, Add	24.85	
For >500 To 1,000, Deduct	-4.97	
For >1,000 To 2,500, Deduct	-8.95	
For >2,500 To 5,000, Deduct	-12.92	
For >5,000 To 10,000, Deduct	-16.90	
For >10,000, Deduct	-20.87	
02 41 13 13-0029 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	64.98	
For Elevated Slab, Add	32.49	
For >500 To 1,000, Deduct	-6.50	
For >1,000 To 2,500, Deduct	-11.70	
For >2,500 To 5,000, Deduct	-16.89	
For >5,000 To 10,000, Deduct	-22.09	
For >10,000, Deduct	-27.29	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0030 SY >19' To 24' By Machine, Break-up And Remove Rod Reinforced Concrete Paving.....	78.85	
For Elevated Slab, Add	39.43	
For >500 To 1,000, Deduct	-7.89	
For >1,000 To 2,500, Deduct	-14.19	
For >2,500 To 5,000, Deduct	-20.50	
For >5,000 To 10,000, Deduct	-26.81	
For >10,000, Deduct	-33.12	
02 41 13 13-0031 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 13 13-0032 SF >6" To 8" By Hand, Break-up And Remove Bituminous Paving.....	4.95	
02 41 13 13-0033 SF Up To 3" By Hand, Break-up And Remove Concrete Paving.....	3.62	
02 41 13 13-0034 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving.....	4.99	
02 41 13 13-0035 SF >6" To 8" By Hand, Break-up And Remove Concrete Paving.....	6.39	
02 41 13 13-0036 Grind Concrete (02 41 13 13)		
02 41 13 13-0037 EA Grind Existing Sidewalks Up To 1/2" Depth To Remove Ridges (Tripping Hazard).....	122.64	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	18.40	
For >1" To 1-1/2" Depth Of Grinding, Add	30.66	
For Up To 5, Add	24.53	
For >5 To 10, Add	12.26	
For >25 To 50, Deduct	-12.26	
For >50 To 250, Deduct	-18.40	
For >250, Deduct	-24.53	
For Sidewalks >5', Add	12.26	
For Up To 12" Additional Feathering Per Side, Add	12.26	
02 41 13 13-0038 Repair Uneven Sidewalks (02 41 13 13)		
Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 + 0)/2 = 1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.		
02 41 13 13-0039 IF Up To 2000 Inch Feet Repair Uneven Sidewalks	42.15	
02 41 13 13-0040 IF 2000 To 3000 Inch Feet Repair Uneven Sidewalks	39.99	
02 41 13 13-0041 IF 3000 And Up Inch Feet Repair Uneven Sidewalks	37.83	
02 41 19 Selective Demolition (02 41)		
02 41 19 13 Selective Building Demolition (02 41 19)		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal	11.44	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal	17.87	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal	22.90	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal	28.67	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal	35.21	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	19.78	
02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	23.19	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	17.41	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	13.33	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	9.23	
02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	13.93	
02 41 19 13-0016 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	20.96	
02 41 19 13-0017 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	40.31	
02 41 19 13-0018 Facade Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal	4.36	
For Cleaning and Storage For Reuse, Add	3.27	
For Reinforcing, Add	0.65	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0020

Exterior Masonry Removal (02 41 19 13-0001)

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0046 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non Reinforced Concrete Block Exterior Wall.....	3.84
02 41 19 13-0022	SF	Demolish 6" Thick Non Reinforced Concrete Block Exterior Wall.....	4.32
02 41 19 13-0023	SF	Demolish 8" Thick Non Reinforced Concrete Block Exterior Wall.....	5.23
02 41 19 13-0024	SF	Demolish 10" Thick Non Reinforced Concrete Block Exterior Wall.....	5.71
02 41 19 13-0025	SF	Demolish 12" Thick Non Reinforced Concrete Block Exterior Wall.....	6.27
02 41 19 13-0026	SF	Demolish 16" Thick Non Reinforced Concrete Block Exterior Wall.....	7.85
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	4.53
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall.....	5.19
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall.....	6.27
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall.....	6.85
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall.....	7.52
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall.....	9.41
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall.....	3.84
		<i>For Cleaning and Storage For Reuse, Add</i>	2.88
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall.....	4.32
		<i>For Cleaning and Storage For Reuse, Add</i>	3.24
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall.....	5.23
		<i>For Cleaning and Storage For Reuse, Add</i>	3.92
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall.....	5.71
		<i>For Cleaning and Storage For Reuse, Add</i>	4.28
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall.....	6.27
		<i>For Cleaning and Storage For Reuse, Add</i>	4.70
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall.....	7.85
		<i>For Cleaning and Storage For Reuse, Add</i>	5.89
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal.....	11.15
		<i>For Cleaning and Storage For Reuse, Add</i>	8.36
		<i>For Reinforcing, Add</i>	1.67

02 41 19 13-0040

Exterior Concrete Wall Removal (02 41 19 13)

02 41 19 13-0041	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall.....	4.87
02 41 19 13-0042	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall.....	8.83
02 41 19 13-0043	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall.....	11.10
02 41 19 13-0044	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall.....	13.09
02 41 19 13-0045	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall.....	15.48

02 41 19 13-0046

Saw Cutting (02 41 19 13)

Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

02 41 19 13-0047	LF	Saw Cut Bituminous Paving Up To 4" Depth.....	1.73
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.65
		<i>For >250, Deduct</i>	-0.16
02 41 19 13-0048	LF	Saw Cut Brick Masonry Up To 4" Depth.....	6.10
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.39
		<i>For >250, Deduct</i>	-0.59
02 41 19 13-0049	LF	Saw Cut Concrete Block Up To 4" Depth.....	5.55
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.16
		<i>For >250, Deduct</i>	-0.54
02 41 19 13-0050	LF	Saw Cut Concrete Slab Or Paving Up To 4" Depth.....	2.02
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.75
		<i>For >250, Deduct</i>	-0.18
02 41 19 13-0051	LF	Saw Cut Welded Wire Reinforced Concrete Slab Up To 4" Depth.....	2.63
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.98
		<i>For >250, Deduct</i>	-0.24
02 41 19 13-0052	LF	Saw Cut Rod Reinforced Concrete Slab Up To 4" Depth.....	4.22
		<i>For Each Additional Pass (Depth To 3"), Add</i>	1.61
		<i>For >250, Deduct</i>	-0.40
02 41 19 13-0053	LF	Saw Cut Plain Concrete Walls Up To 4" Depth.....	7.78
		<i>For Each Additional Pass (Depth To 3"), Add</i>	3.05
		<i>For >250, Deduct</i>	-0.76
02 41 19 13-0054	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	10.44
		<i>For Each Additional Pass (Depth To 3"), Add</i>	4.10
		<i>For >250, Deduct</i>	-1.02
02 41 19 13-0055	LF	Saw Cut In Streets, Concrete And Asphalt Up To 4" Depth.....	1.94
		<i>For Each Additional Pass (Depth To 3"), Add</i>	0.71
		<i>For >250, Deduct</i>	-0.17
02 41 19 13-0056	LF	Saw Cut Igneous Stone Pavements Up To 4" Depth.....	5.58
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.17
		<i>For >250, Deduct</i>	-0.54
02 41 19 13-0057	LF	Saw Cut Sedimentary Stone Pavements Up To 4" Depth.....	5.58
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.17
		<i>For >250, Deduct</i>	-0.54
02 41 19 13-0058	LF	Saw Cut Metamorphic Stone Pavements Up To 4" Depth.....	5.58
		<i>For Each Additional Pass (Depth To 3"), Add</i>	2.17
		<i>For >250, Deduct</i>	-0.54

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0059 LF Saw Cut Terrazzo Stone Pavements Up To 4" Depth.....	5.58	
For Each Additional Pass (Depth To 3"), Add	2.17	
For >250, Deduct	-0.54	
02 41 19 13-0060 EA Saw Cut Minimum Set-up Charge, One Per Project	682.85	
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0061 Torch Cutting (02 41 19 13)		
Note: Includes grinding edge		
02 41 19 13-0062 LF Up To 1/2", Torch Cut Steel Plate.....	2.30	
02 41 19 13-0063 LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	4.58	
02 41 19 13-0064 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate	6.88	
02 41 19 13-0065 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate	9.18	
02 41 19 13-0066 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate	11.47	
02 41 19 13-0067 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate	13.76	
02 41 19 13-0068 Drilling (02 41 19 13)		
Note: Includes drill bit wear, water, layout, set-up and clean-up.		
02 41 19 13-0069 Concrete Core Drilling (02 41 19 13-0068)		
02 41 19 13-0070 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0069)		
02 41 19 13-0071 EA Drill 2" Diameter Core In Up To 4" Concrete.....	38.49	
For Horizontal Cores, Add	7.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.12	
02 41 19 13-0072 EA Drill 3" Diameter Core In Up To 4" Concrete.....	54.70	
For Horizontal Cores, Add	10.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.18	
02 41 19 13-0073 EA Drill 4" Diameter Core In Up To 4" Concrete.....	73.33	
For Horizontal Cores, Add	13.52	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.03	
02 41 19 13-0074 EA Drill 6" Diameter Core In Up To 4" Concrete.....	82.89	
For Horizontal Cores, Add	15.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.26	
02 41 19 13-0075 EA Drill 8" Diameter Core In Up To 4" Concrete.....	130.97	
For Horizontal Cores, Add	24.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.42	
02 41 19 13-0076 EA Drill 10" Diameter Core In Up To 4" Concrete.....	164.83	
For Horizontal Cores, Add	30.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	60.52	
02 41 19 13-0077 EA Drill 12" Diameter Core In Up To 4" Concrete.....	192.74	
For Horizontal Cores, Add	35.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.61	
02 41 19 13-0078 EA Drill 14" Diameter Core In Up To 4" Concrete.....	221.02	
For Horizontal Cores, Add	40.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.69	
02 41 19 13-0079 EA Drill 18" Diameter Core In Up To 4" Concrete.....	251.72	
For Horizontal Cores, Add	45.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.77	
02 41 19 13-0080 >4" To 6" Thick Concrete Core Drilling (02 41 19 13-0069)		
02 41 19 13-0081 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	55.29	
For Horizontal Cores, Add	10.09	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.17	
02 41 19 13-0082 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	67.19	
For Horizontal Cores, Add	12.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.21	
02 41 19 13-0083 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	84.48	
For Horizontal Cores, Add	15.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.26	
02 41 19 13-0084 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	111.86	
For Horizontal Cores, Add	20.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	40.35	
02 41 19 13-0085 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	166.31	
For Horizontal Cores, Add	30.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	60.52	
02 41 19 13-0086 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	196.76	
For Horizontal Cores, Add	35.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.61	
02 41 19 13-0087 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	225.97	
For Horizontal Cores, Add	40.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.69	
02 41 19 13-0088 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	256.41	
For Horizontal Cores, Add	45.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.77	
02 41 19 13-0089 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	290.35	
For Horizontal Cores, Add	50.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	100.86	
02 41 19 13-0090 >6" To 8" Thick Concrete Core Drilling (02 41 19 13-0069)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0091 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	62.09	
<i>For Horizontal Cores, Add</i>	11.10	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.19	
02 41 19 13-0092 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	74.66	
<i>For Horizontal Cores, Add</i>	13.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.23	
02 41 19 13-0093 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	97.64	
<i>For Horizontal Cores, Add</i>	17.15	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.29	
02 41 19 13-0094 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	135.79	
<i>For Horizontal Cores, Add</i>	24.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.42	
02 41 19 13-0095 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	221.82	
<i>For Horizontal Cores, Add</i>	40.34	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.69	
02 41 19 13-0096 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	253.86	
<i>For Horizontal Cores, Add</i>	45.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.77	
02 41 19 13-0097 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	284.45	
<i>For Horizontal Cores, Add</i>	50.43	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.86	
02 41 19 13-0098 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	316.99	
<i>For Horizontal Cores, Add</i>	55.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.93	
02 41 19 13-0099 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	354.20	
<i>For Horizontal Cores, Add</i>	60.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.04	
02 41 19 13-0100 >8" To 10" Thick Concrete Core Drilling (02 41 19 13-0069)		
02 41 19 13-0101 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	61.46	
<i>For Horizontal Cores, Add</i>	10.62	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.24	
02 41 19 13-0102 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	67.35	
<i>For Horizontal Cores, Add</i>	11.80	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	23.60	
02 41 19 13-0103 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	73.91	
<i>For Horizontal Cores, Add</i>	13.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.22	
02 41 19 13-0104 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	87.15	
<i>For Horizontal Cores, Add</i>	15.13	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.26	
02 41 19 13-0105 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	100.72	
<i>For Horizontal Cores, Add</i>	17.15	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.29	
02 41 19 13-0106 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	139.54	
<i>For Horizontal Cores, Add</i>	24.21	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.42	
02 41 19 13-0107 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	226.91	
<i>For Horizontal Cores, Add</i>	40.34	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	80.69	
02 41 19 13-0108 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	260.56	
<i>For Horizontal Cores, Add</i>	45.39	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	90.77	
02 41 19 13-0109 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	292.44	
<i>For Horizontal Cores, Add</i>	50.42	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	100.84	
02 41 19 13-0110 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	327.18	
<i>For Horizontal Cores, Add</i>	55.47	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	110.93	
02 41 19 13-0111 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	367.52	
<i>For Horizontal Cores, Add</i>	60.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.01	
02 41 19 13-0112 >10" To 12" Thick Concrete Core Drilling (02 41 19 13-0069)		
02 41 19 13-0113 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	67.28	
<i>For Horizontal Cores, Add</i>	11.44	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	22.88	
02 41 19 13-0114 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	73.64	
<i>For Horizontal Cores, Add</i>	12.71	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	25.42	
02 41 19 13-0115 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	80.70	
<i>For Horizontal Cores, Add</i>	14.12	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	28.24	
02 41 19 13-0116 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	89.56	
<i>For Horizontal Cores, Add</i>	15.13	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.26	
02 41 19 13-0117 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	118.95	
<i>For Horizontal Cores, Add</i>	20.17	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.35	
02 41 19 13-0118 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	153.38	
<i>For Horizontal Cores, Add</i>	26.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	52.46	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0119 EA Drill 8" Diameter Core In >10" To 12" Concrete	242.10	
For Horizontal Cores, Add	42.36	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	84.73	
02 41 19 13-0120 EA Drill 10" Diameter Core In >10" To 12" Concrete	267.26	
For Horizontal Cores, Add	45.39	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	90.77	
02 41 19 13-0121 EA Drill 12" Diameter Core In >10" To 12" Concrete	310.64	
For Horizontal Cores, Add	52.45	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	104.91	
02 41 19 13-0122 >12" Thick Concrete Core Drilling (02 41 19 13-0069)		
02 41 19 13-0123 IN Drill 1" Diameter Core In >12" Concrete	7.84	
For Horizontal Cores, Add	1.40	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.80	
02 41 19 13-0124 IN Drill 1-1/2" Diameter Core In >12" Concrete	8.61	
For Horizontal Cores, Add	1.55	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.11	
02 41 19 13-0125 IN Drill 2" Diameter Core In >12" Concrete	9.48	
For Horizontal Cores, Add	1.73	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.46	
02 41 19 13-0126 IN Drill 3" Diameter Core In >12" Concrete	10.62	
For Horizontal Cores, Add	1.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.78	
02 41 19 13-0127 IN Drill 4" Diameter Core In >12" Concrete	14.11	
For Horizontal Cores, Add	2.52	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.04	
02 41 19 13-0128 IN Drill 6" Diameter Core In >12" Concrete	18.25	
For Horizontal Cores, Add	3.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	6.56	
02 41 19 13-0129 IN Drill 8" Diameter Core In >12" Concrete	29.02	
For Horizontal Cores, Add	5.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.60	
02 41 19 13-0130 IN Drill 10" Diameter Core In >12" Concrete	31.85	
For Horizontal Cores, Add	5.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.40	
02 41 19 13-0131 IN Drill 12" Diameter Core In >12" Concrete	36.83	
For Horizontal Cores, Add	6.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.12	
02 41 19 13-0132 Brick/Concrete Block Core Drilling (02 41 19 13-0068)		
02 41 19 13-0133 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0132)		
02 41 19 13-0134 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	26.06	
For Horizontal Cores, Add	4.58	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.15	
02 41 19 13-0135 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	28.59	
For Horizontal Cores, Add	5.08	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.16	
02 41 19 13-0136 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	31.43	
For Horizontal Cores, Add	5.65	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	11.30	
02 41 19 13-0137 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	44.61	
For Horizontal Cores, Add	8.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.14	
02 41 19 13-0138 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	59.81	
For Horizontal Cores, Add	10.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.62	
02 41 19 13-0139 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	67.76	
For Horizontal Cores, Add	12.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.21	
02 41 19 13-0140 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	106.76	
For Horizontal Cores, Add	19.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.74	
02 41 19 13-0141 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	134.57	
For Horizontal Cores, Add	24.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.42	
02 41 19 13-0142 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	157.43	
For Horizontal Cores, Add	28.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.49	
02 41 19 13-0143 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	180.67	
For Horizontal Cores, Add	32.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.55	
02 41 19 13-0144 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	206.33	
For Horizontal Cores, Add	36.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.62	
02 41 19 13-0145 >4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0132)		
02 41 19 13-0146 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	37.54	
For Horizontal Cores, Add	6.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0147 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	41.17	
For Horizontal Cores, Add	7.26	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.52	
02 41 19 13-0148 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	45.19	
For Horizontal Cores, Add	8.07	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.13	
02 41 19 13-0149 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	55.09	
For Horizontal Cores, Add	9.68	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	19.37	
02 41 19 13-0150 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	69.35	
For Horizontal Cores, Add	12.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.21	
02 41 19 13-0151 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	91.68	
For Horizontal Cores, Add	16.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.28	
02 41 19 13-0152 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	136.05	
For Horizontal Cores, Add	24.21	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	48.42	
02 41 19 13-0153 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	161.45	
For Horizontal Cores, Add	28.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.49	
02 41 19 13-0154 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	185.62	
For Horizontal Cores, Add	32.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.55	
02 41 19 13-0155 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	211.02	
For Horizontal Cores, Add	36.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.62	
02 41 19 13-0156 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	239.92	
For Horizontal Cores, Add	40.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.69	
02 41 19 13-0157 >6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0132)		
02 41 19 13-0158 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	42.56	
For Horizontal Cores, Add	7.19	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	14.38	
02 41 19 13-0159 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	46.55	
For Horizontal Cores, Add	7.99	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.98	
02 41 19 13-0160 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	50.99	
For Horizontal Cores, Add	8.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.75	
02 41 19 13-0161 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	61.55	
For Horizontal Cores, Add	10.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.98	
02 41 19 13-0162 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	80.50	
For Horizontal Cores, Add	13.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.44	
02 41 19 13-0163 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	111.58	
For Horizontal Cores, Add	19.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.74	
02 41 19 13-0164 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	181.47	
For Horizontal Cores, Add	32.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.55	
02 41 19 13-0165 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	208.47	
For Horizontal Cores, Add	36.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.62	
02 41 19 13-0166 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	234.02	
For Horizontal Cores, Add	40.35	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.69	
02 41 19 13-0167 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	261.53	
For Horizontal Cores, Add	44.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.75	
02 41 19 13-0168 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	293.68	
For Horizontal Cores, Add	48.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.84	
02 41 19 13-0169 >8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0132)		
02 41 19 13-0170 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	50.84	
For Horizontal Cores, Add	8.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	17.00	
02 41 19 13-0171 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	55.56	
For Horizontal Cores, Add	9.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.88	
02 41 19 13-0172 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	60.80	
For Horizontal Cores, Add	10.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.98	
02 41 19 13-0173 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	72.02	
For Horizontal Cores, Add	12.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.21	
02 41 19 13-0174 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	83.58	
For Horizontal Cores, Add	13.72	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	27.44	

02	Existing Conditions
02 40	Demolition And Structure Moving
02 41	Demolition



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0175 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	115.33	
For Horizontal Cores, Add	19.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.74	
02 41 19 13-0176 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	186.56	
For Horizontal Cores, Add	32.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	64.55	
02 41 19 13-0177 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	215.17	
For Horizontal Cores, Add	36.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.62	
02 41 19 13-0178 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	242.02	
For Horizontal Cores, Add	40.34	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	80.68	
02 41 19 13-0179 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	271.72	
For Horizontal Cores, Add	44.37	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	88.75	
02 41 19 13-0180 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	307.02	
For Horizontal Cores, Add	48.41	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	96.81	
02 41 19 13-0181 >10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0132)		
02 41 19 13-0182 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	55.84	
For Horizontal Cores, Add	9.15	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.30	
02 41 19 13-0183 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	60.93	
For Horizontal Cores, Add	10.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.34	
02 41 19 13-0184 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	66.58	
For Horizontal Cores, Add	11.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	22.60	
02 41 19 13-0185 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	74.43	
For Horizontal Cores, Add	12.10	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	24.21	
02 41 19 13-0186 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	98.77	
For Horizontal Cores, Add	16.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.28	
02 41 19 13-0187 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	127.15	
For Horizontal Cores, Add	20.98	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	41.96	
02 41 19 13-0188 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	199.74	
For Horizontal Cores, Add	33.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	67.78	
02 41 19 13-0189 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	221.87	
For Horizontal Cores, Add	36.31	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	72.62	
02 41 19 13-0190 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	258.19	
For Horizontal Cores, Add	41.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	83.93	
02 41 19 13-0191 >12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0132)		
02 41 19 13-0192 IN Drill 1" Diameter Core In >12" Brick/Concrete Block	6.43	
For Horizontal Cores, Add	1.12	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.24	
02 41 19 13-0193 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	7.05	
For Horizontal Cores, Add	1.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.48	
02 41 19 13-0194 IN Drill 2" Diameter Core In >12" Brick/Concrete Block	7.75	
For Horizontal Cores, Add	1.38	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	2.76	
02 41 19 13-0195 IN Drill 3" Diameter Core In >12" Brick/Concrete Block	8.72	
For Horizontal Cores, Add	1.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.02	
02 41 19 13-0196 IN Drill 4" Diameter Core In >12" Brick/Concrete Block	11.59	
For Horizontal Cores, Add	2.02	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.03	
02 41 19 13-0197 IN Drill 6" Diameter Core In >12" Brick/Concrete Block	14.98	
For Horizontal Cores, Add	2.63	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.25	
02 41 19 13-0198 IN Drill 8" Diameter Core In >12" Brick/Concrete Block	23.72	
For Horizontal Cores, Add	4.24	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	8.48	
02 41 19 13-0199 IN Drill 10" Diameter Core In >12" Brick/Concrete Block	26.15	
For Horizontal Cores, Add	4.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	9.12	
02 41 19 13-0200 IN Drill 12" Diameter Core In >12" Brick/Concrete Block	30.27	
For Horizontal Cores, Add	5.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	10.50	
02 41 19 13-0201 Asphalt Core Drilling (02 41 19 13-0068)		
02 41 19 13-0202 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0201)		
02 41 19 13-0203 EA Drill 1" Diameter Core In Up To 2" Asphalt	14.41	
02 41 19 13-0204 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt	18.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0205 EA Drill 2" Diameter Core In Up To 2" Asphalt	22.59	
02 41 19 13-0206 EA Drill 3" Diameter Core In Up To 2" Asphalt	28.10	
02 41 19 13-0207 EA Drill 4" Diameter Core In Up To 2" Asphalt	35.41	
02 41 19 13-0208 EA Drill 6" Diameter Core In Up To 2" Asphalt	44.51	
02 41 19 13-0209 EA Drill 8" Diameter Core In Up To 2" Asphalt	55.67	
02 41 19 13-0210 EA Drill 10" Diameter Core In Up To 2" Asphalt	69.08	
02 41 19 13-0211 EA Drill 12" Diameter Core In Up To 2" Asphalt	86.17	
02 41 19 13-0212 >2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0201)		
02 41 19 13-0213 EA Drill 1" Diameter Core In >2" To 3" Asphalt	18.00	
02 41 19 13-0214 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	23.39	
02 41 19 13-0215 EA Drill 2" Diameter Core In >2" To 3" Asphalt	28.76	
02 41 19 13-0216 EA Drill 3" Diameter Core In >2" To 3" Asphalt	36.07	
02 41 19 13-0217 EA Drill 4" Diameter Core In >2" To 3" Asphalt	45.17	
02 41 19 13-0218 EA Drill 6" Diameter Core In >2" To 3" Asphalt	56.93	
02 41 19 13-0219 EA Drill 8" Diameter Core In >2" To 3" Asphalt	70.81	
02 41 19 13-0220 EA Drill 10" Diameter Core In >2" To 3" Asphalt	88.64	
02 41 19 13-0221 EA Drill 12" Diameter Core In >2" To 3" Asphalt	110.18	
02 41 19 13-0222 >3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0201)		
02 41 19 13-0223 EA Drill 1" Diameter Core In >3" To 4" Asphalt	23.46	
02 41 19 13-0224 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	29.83	
02 41 19 13-0225 EA Drill 2" Diameter Core In >3" To 4" Asphalt	37.00	
02 41 19 13-0226 EA Drill 3" Diameter Core In >3" To 4" Asphalt	46.17	
02 41 19 13-0227 EA Drill 4" Diameter Core In >3" To 4" Asphalt	58.13	
02 41 19 13-0228 EA Drill 6" Diameter Core In >3" To 4" Asphalt	72.68	
02 41 19 13-0229 EA Drill 8" Diameter Core In >3" To 4" Asphalt	91.28	
02 41 19 13-0230 EA Drill 10" Diameter Core In >3" To 4" Asphalt	113.64	
02 41 19 13-0231 EA Drill 12" Diameter Core In >3" To 4" Asphalt	141.54	
02 41 19 13-0232 >4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0201)		
02 41 19 13-0233 EA Drill 1" Diameter Core In >4" To 6" Asphalt	30.88	
02 41 19 13-0234 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	38.27	
02 41 19 13-0235 EA Drill 2" Diameter Core In >4" To 6" Asphalt	47.30	
02 41 19 13-0236 EA Drill 3" Diameter Core In >4" To 6" Asphalt	60.32	
02 41 19 13-0237 EA Drill 4" Diameter Core In >4" To 6" Asphalt	75.20	
02 41 19 13-0238 EA Drill 6" Diameter Core In >4" To 6" Asphalt	93.54	
02 41 19 13-0239 EA Drill 8" Diameter Core In >4" To 6" Asphalt	117.99	
02 41 19 13-0240 EA Drill 10" Diameter Core In >4" To 6" Asphalt	146.76	
02 41 19 13-0241 EA Drill 12" Diameter Core In >4" To 6" Asphalt	183.05	
02 41 19 13-0242 Manhole Core Drilling (02 41 19 13-0068)		
02 41 19 13-0243 EA Drill 4" Diameter Core In 6" Brick Manhole	157.26	
02 41 19 13-0244 EA Drill 5" Diameter Core In 6" Brick Manhole	179.62	
02 41 19 13-0245 EA Drill 6" Diameter Core In 6" Brick Manhole	209.09	
02 41 19 13-0246 EA Drill 8" Diameter Core In 6" Brick Manhole	312.66	
02 41 19 13-0247 EA Drill 2" Diameter Core In 8" Concrete Manhole	209.47	
02 41 19 13-0248 EA Drill 3" Diameter Core In 8" Concrete Manhole	224.90	
02 41 19 13-0249 EA Drill 4" Diameter Core In 8" Concrete Manhole	249.30	
02 41 19 13-0250 EA Drill 5" Diameter Core In 8" Concrete Manhole	267.98	
02 41 19 13-0251 EA Drill 6" Diameter Core In 8" Concrete Manhole	316.87	
02 41 19 13-0252 EA Drill 8" Diameter Core In 8" Concrete Manhole	451.72	
02 41 19 13-0253 EA Drill 2" Diameter Core In Fiberglass Manhole	20.29	
02 41 19 13-0254 EA Drill 3" Diameter Core In Fiberglass Manhole	23.47	
02 41 19 13-0255 EA Drill 4" Diameter Core In Fiberglass Manhole	25.46	
02 41 19 13-0256 EA Drill 5" Diameter Core In Fiberglass Manhole	27.79	
02 41 19 13-0257 EA Drill 6" Diameter Core In Fiberglass Manhole	30.57	
02 41 19 13-0258 EA Drill 8" Diameter Core In Fiberglass Manhole	34.00	
02 41 19 13-0259 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0068)		
Note: Includes layout.		
02 41 19 13-0260 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth	1.80	
02 41 19 13-0261 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth	1.89	
02 41 19 13-0262 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.02	
02 41 19 13-0263 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.16	
02 41 19 13-0264 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth	2.37	
02 41 19 13-0265 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth	2.57	
02 41 19 13-0266 IN 1" Diameter Drilling In Concrete Per Inch Of Depth	2.70	
02 41 19 13-0267 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.98	
02 41 19 13-0268 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	3.37	
02 41 19 13-0269 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0068)		
Note: Includes layout.		
02 41 19 13-0270 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.51	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 41 19 13-0271	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.58
02 41 19 13-0272	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.70
02 41 19 13-0273	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.81
02 41 19 13-0274	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.98
02 41 19 13-0275	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.16
02 41 19 13-0276	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.27
02 41 19 13-0277	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.50
02 41 19 13-0278	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.83

02 41 19 13-0279 Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0068)

Note: Includes layout.

02 41 19 13-0280	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.74
02 41 19 13-0281	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.78
02 41 19 13-0282	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.83
02 41 19 13-0283	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.88
02 41 19 13-0284	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.97
02 41 19 13-0285	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.05
02 41 19 13-0286	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.11
02 41 19 13-0287	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.22
02 41 19 13-0288	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.38

02 41 19 13-0289 Limestone Core Drilling (02 41 19 13-0068)

02 41 19 13-0290 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0289)

02 41 19 13-0291	EA	Drill 1" Diameter Core In 10" To 14" Limestone	47.32
02 41 19 13-0292	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	57.22
02 41 19 13-0293	EA	Drill 2" Diameter Core In 10" To 14" Limestone	62.78
02 41 19 13-0294	EA	Drill 3" Diameter Core In 10" To 14" Limestone	73.94
02 41 19 13-0295	EA	Drill 4" Diameter Core In 10" To 14" Limestone	85.36
02 41 19 13-0296	EA	Drill 6" Diameter Core In 10" To 14" Limestone	118.38
02 41 19 13-0297	EA	Drill 8" Diameter Core In 10" To 14" Limestone	192.80

02 41 19 13-0298 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0289)

02 41 19 13-0299	EA	Drill 1" Diameter Core In 15" To 18" Limestone	52.50
02 41 19 13-0300	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	62.65
02 41 19 13-0301	EA	Drill 2" Diameter Core In 15" To 18" Limestone	68.49
02 41 19 13-0302	EA	Drill 3" Diameter Core In 15" To 18" Limestone	75.87
02 41 19 13-0303	EA	Drill 4" Diameter Core In 15" To 18" Limestone	100.78
02 41 19 13-0304	EA	Drill 6" Diameter Core In 15" To 18" Limestone	130.01
02 41 19 13-0305	EA	Drill 8" Diameter Core In 15" To 18" Limestone	205.58

02 41 19 13-0306 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0289)

02 41 19 13-0307	EA	Drill 1" Diameter Core In 19" To 24" Limestone	57.57
02 41 19 13-0308	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	67.95
02 41 19 13-0309	EA	Drill 2" Diameter Core In 19" To 24" Limestone	74.02
02 41 19 13-0310	EA	Drill 3" Diameter Core In 19" To 24" Limestone	86.16
02 41 19 13-0311	EA	Drill 4" Diameter Core In 19" To 24" Limestone	120.22
02 41 19 13-0312	EA	Drill 6" Diameter Core In 19" To 24" Limestone	149.95
02 41 19 13-0313	EA	Drill 8" Diameter Core In 19" To 24" Limestone	222.29

02 41 19 13-0314 Minimum Charge For Core Drilling (02 41 19 13-0068)

02 41 19 13-0315	EA	Core Drill Minimum Charge	553.08
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Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth".

02 41 19 13-0316 Cutouts (02 41 19 13)

Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.

02 41 19 13-0317 Reinforced Concrete Slab On Grade Cutouts (02 41 19 13-0316)

02 41 19 13-0318	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	38.54
02 41 19 13-0319	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	40.87
02 41 19 13-0320	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	43.21
02 41 19 13-0321	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	45.55
02 41 19 13-0322	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	46.71

02 41 19 13-0323 Reinforced Concrete Elevated Slab Cutouts (02 41 19 13-0316)

Note: Includes cutting and removing steel decking.

02 41 19 13-0324	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	46.97
02 41 19 13-0325	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	49.82
02 41 19 13-0326	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	52.66
02 41 19 13-0327	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	55.52
02 41 19 13-0328	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	56.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0329 Reinforced Concrete Wall Cutouts (02 41 19 13-0316)		
02 41 19 13-0330 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF	48.17	
02 41 19 13-0331 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF	51.10	
02 41 19 13-0332 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF	54.01	
02 41 19 13-0333 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF	56.93	
02 41 19 13-0334 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF	58.40	
02 41 19 13-0335 Brick Wall Cutouts (02 41 19 13-0316)		
Note: Excludes tothing.		
02 41 19 13-0336 SF 4" Thick Brick Wall Cutouts, <24 SF	14.60	
02 41 19 13-0337 SF 6" Thick Brick Wall Cutouts, <24 SF	24.09	
02 41 19 13-0338 SF 8" Thick Brick Wall Cutouts, <24 SF	33.54	
02 41 19 13-0339 SF 10" Thick Brick Wall Cutouts, <24 SF	40.87	
02 41 19 13-0340 SF 12" Thick Brick Wall Cutouts, <24 SF	48.90	
02 41 19 13-0341 SF 16" Thick Brick Wall Cutouts, <24 SF	57.67	
02 41 19 13-0342 Concrete Block Wall Cutouts (02 41 19 13-0316)		
Note: Excludes tothing.		
02 41 19 13-0343 SF 4" Thick Concrete Block Wall Cutouts, <24 SF	24.15	
02 41 19 13-0344 SF 6" Thick Concrete Block Wall Cutouts, <24 SF	25.58	
02 41 19 13-0345 SF 8" Thick Concrete Block Wall Cutouts, <24 SF	27.01	
02 41 19 13-0346 SF 10" Thick Concrete Block Wall Cutouts, <24 SF	28.47	
02 41 19 13-0347 SF 12" Thick Concrete Block Wall Cutouts, <24 SF	29.20	
02 41 19 13-0348 SF 16" Thick Concrete Block Wall Cutouts, <24 SF	30.66	
02 41 19 13-0349 Limestone Cutouts (02 41 19 13-0316)		
02 41 19 13-0350 SF 2" Thick Limestone Cutouts, <24 SF	40.87	
02 41 19 13-0351 SF 4" Thick Limestone Cutouts, <24 SF	49.64	
02 41 19 13-0352 SF 6" Thick Limestone Cutouts, <24 SF	52.56	
02 41 19 13-0353 SF 8" Thick Limestone Cutouts, <24 SF	55.47	
02 41 19 13-0354 SF 10" Thick Limestone Cutouts, <24 SF	58.40	
02 41 19 13-0355 SF 12" Thick Limestone Cutouts, <24 SF	61.31	
02 41 19 13-0356 Tothing Masonry Cutouts (02 41 19 13-0316)		
Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0357 VLF Brick, Soft Old Mortar, Tothing Masonry Cutouts	14.60	
02 41 19 13-0358 VLF Brick, Hard Mortar, Tothing Masonry Cutouts	19.71	
02 41 19 13-0359 VLF Concrete Block, Soft Old Mortar, Tothing Masonry Cutouts	8.76	
02 41 19 13-0360 VLF Concrete Block, Hard Mortar, Tothing Masonry Cutouts	11.68	
02 41 19 13-0361 Minimum Charge For Cutouts (02 41 19 13-0316)		
Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0362 EA Cutouts Minimum Charge	291.97	
02 43 Structure Moving (02 40)		
02 43 13 Structure Relocation (02 43)		
Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.		
02 43 13 00-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13)		
Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.		
02 43 13 00-0002 SF Up To 800 SF, Move Relocatable Metal Frame Building	27.51	
02 43 13 00-0003 SF >800 To 920 SF, Move Relocatable Metal Frame Building	26.00	
02 43 13 00-0004 SF >920 SF, Move Relocatable Metal Frame Building	24.33	
02 43 13 00-0005 SF Up To 800 SF, Move Relocatable Wood Frame Building	22.07	
02 43 13 00-0006 SF >800 To 920 SF, Move Relocatable Wood Frame Building	20.63	
02 43 13 00-0007 SF >920 SF, Move Relocatable Wood Frame Building	18.25	
02 43 13 00-0008 SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building	26.74	
02 43 13 00-0009 SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building	24.33	
02 43 13 00-0010 SF >920 SF, Move Relocatable Wood/Metal Frame Building	20.63	
02 60 Contaminated Site Material Removal (02)		
02 61 Removal And Disposal Of Contaminated Soils (02 60)		
02 61 13 Excavation And Handling Of Contaminated Material (02 61)		
See CSI section 31 23 16 00-0000 for excavation.		

02 Existing Conditions**02 60 Contaminated Site Material Removal****02 61 Removal And Disposal Of Contaminated Soils**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil <small>(02 61 13)</small> See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.		
02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil <small>(02 61 13 00-0001)</small>		
02 61 13 00-0003 CY Excavate Non Petroleum Contaminated Soil .....6.46 Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	6.46	
02 61 13 00-0004 Excavate Petroleum Contaminated Soil <small>(02 61 13)</small>		
02 61 13 00-0005 CY Excavate Petroleum Contaminated Soil.....9.68 Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	9.68	
02 61 13 00-0006 CY Load Excavated Petroleum Contaminated Soil.....5.53	5.53	
02 61 13 00-0007 CY Disposal Fees Of Petroleum Contaminated Soil.....44.32	44.32	
02 61 13 00-0008 Accessories For Contaminated Soil Stockpile <small>(02 61 13)</small> See CSI section 31 25 14 23-0001 for sand bags.		
02 61 13 00-0009 SF 30 Mil Base Liner .....0.86 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.86	
02 61 13 00-0010 SF 10 Mil Base Liner .....0.62 Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.62	
02 65 Underground Storage Tank Removal <small>(02 60)</small> Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0050 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.		
02 65 00 00-0001 Monitoring, Sampling, Testing And Analysis <small>(02 65)</small>		
02 65 00 00-0002 Field Samples For Testing <small>(02 65 00 00-0001)</small>		
02 65 00 00-0003 EA Collection Of Sludge Sample .....15.48	15.48	
02 65 00 00-0004 EA Collection Of Pumpable Liquids Sample.....15.48	15.48	
02 65 00 00-0005 EA Collection Of Contaminated Soil Sample.....15.48	15.48	
02 65 00 00-0006 Lab Tests For Underground Storage Tank Removal <small>(02 65 00 00-0001)</small> Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007 EA Lab Test - Benzene, Toluene, Ethylbenzene, Xylene 8020 .....100.97 Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	100.97	
02 65 00 00-0008 EA Lab Test - Flashpoint .....39.27 Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	39.27	
02 65 00 00-0009 EA Lab Test - TOX 9020 .....94.46 Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	94.46	
02 65 00 00-0010 EA Lab Test - TPH 8015 Modified .....100.97 Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	100.97	
02 65 00 00-0011 EA Lab Test - TRPH 418.1 .....78.53 Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	78.53	
02 65 00 00-0012 EA Lab Test - VOC .....213.16 Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	213.16	
02 65 00 00-0013 EA Lab Test - Semi-Volatile Organic .....392.66 Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	392.66	
02 65 00 00-0014 EA Lab Test - Oil And Grease 413.1 .....47.23 Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	47.23	
02 65 00 00-0015 EA Lab Test - TCLP (Extraction) - Metals.....84.14 Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	84.14	
02 65 00 00-0016 EA Lab Test - TCLP (Extraction) - Semi-Volatile Organic.....112.19 Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	112.19	
02 65 00 00-0017 EA Lab Test - Metals 6010 RCRA .....125.65 Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	125.65	
02 65 00 00-0018 EA Lab Test - Metals (Arsenic) 7060 .....16.83 Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	16.83	
02 65 00 00-0019 EA Lab Test - Metals (Selenium) 7740 .....16.83 Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	16.83	
02 65 00 00-0020 EA Lab Test - Metals (Lead) 7421 .....16.83 Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	16.83	
02 65 00 00-0021 EA Lab Test - Metals (Mercury) 7470 .....31.41 Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	31.41	
02 65 00 00-0022 EA Lab Test - PNA/PAH 8100 .....179.50 Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	179.50	
02 65 00 00-0023 EA Lab Test - Fuel Id ASTM D3328-78 .....64.94 Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	64.94	



		Existing Conditions	02
		Contaminated Site Material Removal	02 60
		Underground Storage Tank Removal	02 65

02

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0024	EA Lab Test - pH.....	13.46	
02 65 00 00-0025	EA Lab Test - PCBs In Wastewater.....	168.28	
02 65 00 00-0026	EA Lab Test - Methyl Tertiary Butyl Ether (MTBE)	100.97	
02 65 00 00-0027	Tests, Surveys And Maintenance (02 65 00 00-0001)		
02 65 00 00-0028	EA Site Survey For AST/UST Location By Certified Tank Installer..... Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	666.93	
02 65 00 00-0029	EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	110.55	
02 65 00 00-0030	EA Check And Report On Monitor Probes	25.83	
02 65 00 00-0031	EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	184.80	
02 65 00 00-0032	EA Replace Anode On Impressed System.....	68.67	
02 65 00 00-0033	EA Replace Power Converter On Impressed System	99.84	
02 65 00 00-0034	EA Replace Monitor Probes	149.60	
02 65 00 00-0035	EA Ultrasonic Test.....	67.13	
02 65 00 00-0036	Tests And Sampling Labor Hours (02 65 00 00-0001)		
02 65 00 00-0037	HR Certified Tank Installer.....	74.27	
02 65 00 00-0038	HR Certified Geologist/Environmentalist.....	74.27	
02 65 00 00-0039	HR Hourly Office Work For Reports Required For EPA..... Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	66.26	
02 65 00 00-0040	Remove Tank Contents (02 65)		
02 65 00 00-0041	Transfer Liquid (02 65 00 00-0040)		
	Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL Transfer Reusable Liquid To Different Tank..... Note: Per gallon of material transferred.	0.52	
02 65 00 00-0043	Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)		
02 65 00 00-0044	GAL Remove and Dispose of Hazardous Liquids From Tank.....	1.02	
02 65 00 00-0045	GAL Remove And Dispose Of Non Hazardous Liquid From Tank.....	0.74	
02 65 00 00-0046	Sludge (02 65 00 00-0040)		
	Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL Remove And Dispose Of Hazardous Solids Or Sludge From Tank.....	4.72	
02 65 00 00-0048	GAL Remove And Dispose Of Non Hazardous Solids Or Sludge From Tank	1.03	
02 65 00 00-0049	Purge Vapors, Open And Clean Tank (02 65)		
02 65 00 00-0050	Purge Vapors (02 65 00 00-0049)		
02 65 00 00-0051	LB Purge Tank Using Dry Ice..... Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	2.34	
02 65 00 00-0052	High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)		
02 65 00 00-0053	EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	218.12	
02 65 00 00-0054	EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	280.44	
02 65 00 00-0055	EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	355.23	
02 65 00 00-0056	EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	461.18	
02 65 00 00-0057	EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	860.02	
02 65 00 00-0058	EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,034.53	
02 65 00 00-0059	EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,152.93	
02 65 00 00-0060	EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,383.52	
02 65 00 00-0061	EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,720.06	
02 65 00 00-0062	EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,069.05	
02 65 00 00-0063	EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,586.32	
02 65 00 00-0064	EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,233.20	
02 65 00 00-0065	EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,040.87	
02 65 00 00-0066	Scrape Clean Tank Exterior (02 65 00 00-0049)		
02 65 00 00-0067	EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	180.19	
02 65 00 00-0068	EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior	239.95	
02 65 00 00-0069	EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	314.41	
02 65 00 00-0070	EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	435.40	
02 65 00 00-0071	EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	964.20	

02	Existing Conditions
02 60	Contaminated Site Material Removal
02 65	Underground Storage Tank Removal



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,220.87
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,428.65
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,796.01
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,334.38
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior.....	2,930.11
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior.....	3,815.25
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior.....	4,578.30
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior.....	5,722.87

02 65 00 00-0080 Tank And Piping Removal (02 65)

Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.

02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping.....	13.96
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping.....	18.62

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	494.43
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	600.38
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	706.33
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	882.91
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,236.07
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,553.91
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	1,765.82
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,118.98
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	2,825.29
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,386.91
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	3,968.76
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	4,643.11
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement.....	5,803.88

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)

Note: Includes 1 lengthwise at every 4' O.C. height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	610.94
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,139.33
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,370.50
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,527.36
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	1,832.84
02 65 00 00-0104	EA	>10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,278.66
02 65 00 00-0105	EA	>15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	2,740.99
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	3,426.24
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	4,282.81
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of.....	5,353.50

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	138.33
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>3.46</i>
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	174.73
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>4.37</i>
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	262.10
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>6.55</i>
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	662.72
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>7.64</i>
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,169.36
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>13.47</i>
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,213.03
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>14.56</i>
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,285.84
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>16.38</i>
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	1,849.32
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>21.84</i>
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,559.80
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>32.76</i>
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	2,979.06
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>36.40</i>
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	3,674.83
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>43.68</i>
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	5,071.32
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>52.42</i>
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station.....	6,099.73
		<i>For Each Additional Mile >15 Miles, Add</i>	<i>60.28</i>



Existing Conditions	02	
Contaminated Site Material Removal	02 60	02
Underground Storage Tank Removal	02 65	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)

02 65 00 00-0124	GAL	Remove Cement Lining	0.45
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.16
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	0.89

02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)

Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.

02 65 00 00-0128	EA	Prepare Tank Closure Report	1,667.35
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02 65 00 00-0129 Temporary Tanks (02 65)

02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)

02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)

02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	466.85
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	466.85
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	933.70
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	700.28
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	1,633.98
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	1,167.13
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,649.50
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	1,976.78
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	3,338.27

02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)

02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	1,011.51
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02 80 Facility Remediation (02)

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

02 81 00 00-0001 Hazardous Material Disposal (02 81)

02 81 00 00-0002	GAL	Drain Hazardous (PCB) Oil Filled Equipment And Dispose In Approved Container	8.32
Note: Includes handling of container and disposal at approved site.			
02 81 00 00-0003	CF	Hazardous (PCB) Oil Filled Equipment Disposal At Approved Site	56.22
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.			
02 81 00 00-0004	EA	RCRA (Direct Landfill) Drums	247.52
Note: Excludes stabilization. See CSI section 02 81 00 00-0005 for Stabilization (>5 ppm).			
02 81 00 00-0005	EA	Stabilization (>5 ppm)	329.82
02 81 00 00-0006	CY	Bulk Hazardous Material Landfill Cost (<1800 LB)	104.03
02 81 00 00-0007	TON	Bulk Hazardous Material Landfill Cost (>1800 LB)	261.02

02 82 Asbestos Remediation (02 80)

Note: Tasks include materials, equipment (e.g. ladders, high volume vacuum with sound suppression system where required, etc.), mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, HEPA vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, fees, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there are tasks with a unit of measure of EA for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 74 19 00-0050 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

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

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

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

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

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

02 82 00 00-0004	EA	10 To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	504.03
For Work In Restricted Working Space, Add			151.21
02 82 00 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.77
For Work In Restricted Working Space, Add			7.73
02 82 00 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.33
For Work In Restricted Working Space, Add			5.80
02 82 00 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	14.50
For Work In Restricted Working Space, Add			4.35
02 82 00 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	10.87
For Work In Restricted Working Space, Add			3.26
02 82 00 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	9.46
For Work In Restricted Working Space, Add			2.84

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0002)</small> See CSI section 02 82 00 00-0017 for projects with less than 10 LF.		
02 82 00 00-0011 EA 10 To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	504.03	
For Work In Restricted Working Space, Add	151.21	
02 82 00 00-0012 LF >20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.64	
For Work In Restricted Working Space, Add	8.89	
02 82 00 00-0013 LF >250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.23	
For Work In Restricted Working Space, Add	6.67	
02 82 00 00-0014 LF >500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.67	
For Work In Restricted Working Space, Add	5.00	
02 82 00 00-0015 LF >2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	12.50	
For Work In Restricted Working Space, Add	3.75	
02 82 00 00-0016 LF >10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	10.88	
For Work In Restricted Working Space, Add	3.26	
02 82 00 00-0017 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0002)</small> Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 00 00-0018 EA Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal.....	547.08	
For Work In Restricted Working Space, Add	164.12	
02 82 00 00-0019 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation.....	81.05	
For Work In Restricted Working Space, Add	24.32	
02 82 00 00-0020 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation.....	31.46	
For Work In Restricted Working Space, Add	9.44	
02 82 00 00-0021 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation.....	23.60	
For Work In Restricted Working Space, Add	7.08	
02 82 00 00-0022 LF >500 LF Additional Glove Bag Work for Pipe Insulation.....	17.69	
For Work In Restricted Working Space, Add	5.31	
02 82 00 00-0023 Thermal Insulation, Asbestos Abatement And Disposal <small>(02 82 00 00-0023)</small>		
02 82 00 00-0024 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal <small>(02 82 00 00-0023)</small> Note: e.g., duct, boiler, tank, etc.		
02 82 00 00-0025 EA Up To 10 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0026 SF >10 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	25.77	
02 82 00 00-0027 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	20.30	
02 82 00 00-0028 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	15.22	
02 82 00 00-0029 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	11.42	
02 82 00 00-0030 Surfacing Material, Asbestos Abatement And Disposal <small>(02 82 00 00-0030)</small>		
02 82 00 00-0031 Fireproofing, Asbestos Abatement And Disposal <small>(02 82 00 00-0030)</small> Note: Exposed surface area, includes associated overspray.		
02 82 00 00-0032 EA Up To 10 SF, Fireproofing, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0033 SF >10 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	30.93	
02 82 00 00-0034 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	23.18	
02 82 00 00-0035 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	17.39	
02 82 00 00-0036 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	13.04	
02 82 00 00-0037 Acoustical Plaster, Asbestos Abatement And Disposal <small>(02 82 00 00-0030)</small> Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 00 00-0038 EA Up To 10 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0039 SF >10 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	12.92	
02 82 00 00-0040 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	9.76	
02 82 00 00-0041 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	7.25	
02 82 00 00-0042 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	5.36	
02 82 00 00-0043 Plywood, Asbestos Abatement And Disposal <small>(02 82 00 00-0030)</small>		
02 82 00 00-0044 EA Up To 10 SF, Plywood, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0045 SF >10 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	10.71	
02 82 00 00-0046 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	5.15	
02 82 00 00-0047 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	3.48	
02 82 00 00-0048 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal.....	2.96	
02 82 00 00-0049 Asbestos-Cement Products, Asbestos Abatement And Disposal <small>(02 82 00 00-0049)</small>		
02 82 00 00-0050 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal <small>(02 82 00 00-0049)</small>		
02 82 00 00-0051 EA Up To 10 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0052 SF >10 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	4.48	
02 82 00 00-0053 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.29	
02 82 00 00-0054 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.84	
02 82 00 00-0055 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1.59	



Existing Conditions	02	02
Facility Remediation	02 80	
Asbestos Remediation	02 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 00 00-0056 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal (02 82 00 00-0049)		
02 82 00 00-0057 EA Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0058 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.77	
02 82 00 00-0059 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.33	
02 82 00 00-0060 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.50	
02 82 00 00-0061 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	10.88	
02 82 00 00-0062 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	8.15	
02 82 00 00-0063 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	7.97	
02 82 00 00-0064 Exterior Transite Siding, Asbestos Abatement And Disposal (02 82 00 00-0049)		
02 82 00 00-0065 EA Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	504.03	
Note: Single or first of multiple layers.		
02 82 00 00-0066 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.03	
Note: Single or first of multiple layers.		
02 82 00 00-0067 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.22	
Note: Single or first of multiple layers.		
02 82 00 00-0068 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.58	
Note: Single or first of multiple layers.		
02 82 00 00-0069 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.93	
Note: Single or first of multiple layers.		
02 82 00 00-0070 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1.45	
Note: Single or first of multiple layers.		
02 82 00 00-0071 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0072 Asbestos Contaminated Debris, Asbestos Abatement And Disposal (02 82 00 00-0071)		
02 82 00 00-0073 EA Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	504.03	
For Work In Restricted Working Space, Add	151.21	
02 82 00 00-0074 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	50.12	
For Work In Restricted Working Space, Add	15.04	
02 82 00 00-0075 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	33.41	
For Work In Restricted Working Space, Add	10.02	
02 82 00 00-0076 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	25.10	
For Work In Restricted Working Space, Add	7.53	
02 82 00 00-0077 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	20.05	
For Work In Restricted Working Space, Add	6.02	
02 82 00 00-0078 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	17.04	
For Work In Restricted Working Space, Add	5.11	
02 82 00 00-0079 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	15.33	
For Work In Restricted Working Space, Add	4.60	
02 82 00 00-0080 Asbestos Contaminated Soil, Asbestos Abatement And Disposal (02 82 00 00-0071)		
02 82 00 00-0081 EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	724.54	
For Work In Restricted Working Space, Add	217.36	
02 82 00 00-0082 CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	50.12	
For Work In Restricted Working Space, Add	15.04	
02 82 00 00-0083 CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	33.41	
For Work In Restricted Working Space, Add	10.02	
02 82 00 00-0084 CF >250 To 500 CF, Asbestos Contaminated Asbestos Abatement And Disposal.....	25.10	
02 82 00 00-0085 CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	20.05	
For Work In Restricted Working Space, Add	6.02	
02 82 00 00-0086 CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	17.04	
For Work In Restricted Working Space, Add	5.11	
02 82 00 00-0087 CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal.....	15.33	
For Work In Restricted Working Space, Add	4.60	
02 82 00 00-0088 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 00 00-0071)		
02 82 00 00-0089 EA Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	504.03	
02 82 00 00-0090 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	45.10	
02 82 00 00-0091 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal.....	30.07	
02 82 00 00-0092 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	22.58	
02 82 00 00-0093 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	18.04	
02 82 00 00-0094 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	15.33	
02 82 00 00-0095 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	13.80	
02 82 00 00-0096 Other Asbestos Containing Materials, Asbestos Abatement And Disposal (02 82)		
02 82 00 00-0097 30" To 36" Fire Door, Asbestos Abatement And Disposal (02 82 00 00-0096)		
02 82 00 00-0098 EA Up To 5 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	100.80	
02 82 00 00-0099 EA >5 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	38.66	
02 82 00 00-0100 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	25.77	

02 Existing Conditions**02 80 Facility Remediation****02 82 Asbestos Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 82 00 00-0101	Grout, Asbestos Abatement And Disposal (02 82 00 00-0096)	
	Note: e.g. flue grout.	
02 82 00 00-0102	EA Up To 10 LF, Grout, Asbestos Abatement And Disposal.....	189.01
02 82 00 00-0103	LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal.....	9.92
02 82 00 00-0104	LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal.....	6.83
02 82 00 00-0105	LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal.....	5.85
02 82 00 00-0106	LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal.....	5.03
02 82 00 00-0107	LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal.....	4.33
02 82 00 00-0108	LF >2,500 LF, Grout, Asbestos Abatement And Disposal.....	3.72
02 82 00 00-0109	Gaskets, Asbestos Abatement And Disposal (02 82 00 00-0096)	
	Note: e.g. rope, web cloth, flat.	
02 82 00 00-0110	EA Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....	189.01
02 82 00 00-0111	LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....	13.37
02 82 00 00-0112	LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....	10.02
02 82 00 00-0113	LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....	8.54
02 82 00 00-0114	LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....	7.69
02 82 00 00-0115	LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	6.91
02 82 00 00-0116	LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal.....	6.57
02 82 00 00-0117	Caulking, Asbestos Abatement And Disposal (02 82 00 00-0096)	
02 82 00 00-0118	Caulking, Asbestos Abatement And Disposal (02 82 00 00-0117)	
02 82 00 00-0119	EA Up To 10 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	189.01
02 82 00 00-0120	LF >10 To 50 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	7.43
02 82 00 00-0121	LF >50 To 100 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	5.24
02 82 00 00-0122	LF >100 To 250 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	3.90
02 82 00 00-0123	LF >250 To 1,000 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.93
02 82 00 00-0124	LF >1,000 To 2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.32
02 82 00 00-0125	LF >2,500 LF, Non Friable Asbestos Or PCB Contaminated Caulking, Asbestos Abatement And Disposal.....	2.01
02 82 00 00-0126	Asbestos Encapsulation (Lock-Down) (02 82)	
02 82 00 00-0127	SF Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.09
02 82 00 00-0128	SF Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	1.57
02 82 00 00-0129	SF Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	1.49
02 82 00 00-0130	SF Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	1.70
02 82 00 00-0131	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	4.77
02 82 00 00-0132	SF Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	5.32
02 82 00 00-0133	Air Monitoring And Bulk Sampling, Asbestos Testing (02 82)	
	Note: Testing tasks include packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.	
02 82 00 00-0134	HR Bulk Sampling Or Air Monitoring, Asbestos Testing.....	60.79
02 82 00 00-0135	EA (Bulk) PCM Test, Asbestos Testing.....	7.79
02 82 00 00-0136	EA (Bulk) PCM Test, 24 Hour Turnaround, Asbestos Testing.....	9.73
02 82 00 00-0137	EA (Bulk) PCM Test, Rush Turnaround, Asbestos Testing.....	11.68
02 82 00 00-0138	EA (Bulk Point Counting) PLM Test, Asbestos Testing.....	15.57
02 82 00 00-0139	EA (Bulk Point Counting) PLM Test, 24 Hour Turnaround, Asbestos Testing.....	19.46
02 82 00 00-0140	EA (Bulk Point Counting) PLM Test, Rush Turnaround, Asbestos Testing.....	23.36
02 82 00 00-0141	EA (Bulk) TEM Test, Asbestos Testing.....	46.71
02 82 00 00-0142	EA (Bulk) TEM Test, 24 Hour Turnaround, Asbestos Testing.....	50.60
02 82 00 00-0143	EA (Air) PCM Test, Asbestos Testing.....	8.17
02 82 00 00-0144	EA (Air) PCM Test, 24 Hour Turnaround, Asbestos Testing.....	8.75
02 82 00 00-0145	EA (Air) PCM Test, Rush Turnaround, Asbestos Testing.....	9.34
02 82 00 00-0146	EA (Air) TEM Test, Asbestos Testing.....	46.71
02 82 00 00-0147	EA (Air) TEM Test, 24 Hour Turnaround, Asbestos Testing.....	50.60
02 82 00 00-0148	EA (Air) TEM Test, Rush Turnaround, Asbestos Testing.....	62.28

02 83 Lead Remediation (02 80)

Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 74 19 00-0050 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

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

02 83 19 13-0001	Sampling And Testing (02 83 19 13)	
	Note: Includes taking sample, delivery to lab and lab fee.	
02 83 19 13-0002	EA X-Ray Fluorescence (XRF) Lead Testing Including Technician, 3 Readings Per Surface.....	36.25
02 83 19 13-0003	EA Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (5 Day Turnaround) And Lab Fee.....	34.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 83 19 13-0004	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (48 Hour Turnaround) And Lab Fee	52.58	
02 83 19 13-0005	EA	Toxicity Characteristic Leaching Procedure (TCLP) Lead Test (24 Hour Turnaround) And Lab Fee	73.62	
02 83 19 13-0006	EA	Total Threshold Leaching Concentration (TTL) Lead Test (5 Day Turnaround) And Lab Fee	13.67	
02 83 19 13-0007	EA	Total Threshold Leaching Concentration (TTL) Lead Test (24 Hour Turnaround) And Lab Fee	21.03	
02 83 19 13-0008	EA	Total Threshold Leaching Concentration (TTL) Lead Test (8 Hour Turnaround) And Lab Fee	26.29	
02 83 19 13-0009	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (5 Day Turnaround) And Lab Fee	34.71	
02 83 19 13-0010	EA	Soluble Threshold Limit Concentration (STLC) Lead Test (3 Day Turnaround) And Lab Fee	52.58	
02 83 19 13-0011	EA	Lead Wipe Samples (5 Day Turnaround) And Lab Fee	5.78	
02 83 19 13-0012	EA	Lead Wipe Samples (24 Hour Turnaround) And Lab Fee	7.89	
02 83 19 13-0013	EA	Lead Wipe Samples (8 Hour Turnaround) And Lab Fee	11.57	
02 83 19 13-0014	EA	Lead Air Samples (5 Day Turn - Around) And Lab Fee	5.78	
02 83 19 13-0015	EA	Lead Air Samples (24 Hour Turnaround) And Lab Fee	7.89	
02 83 19 13-0016	EA	Lead Air Samples (8 Hour Turnaround) And Lab Fee	11.57	
02 83 19 13-0017	EA	Lead Water Test (5 Day Turnaround) and Lab Fee	21.03	
02 83 19 13-0018	EA	Lead Water Test (24 Hour Turnaround) and Lab Fee	31.55	
02 83 19 13-0019	EA	Lead Water Test (8 Hour Turnaround) and Lab Fee	42.07	
02 83 19 13-0020	EA	Lead Paint Chip Test (5 Day Turnaround) and Lab Fee	21.75	
02 83 19 13-0021	EA	Lead Soil Test (5 Day Turnaround) and Lab Fee	43.50	
02 83 19 13-0022	EA	Sample Pickup, Per Trip	31.55	

02 83 19 13-0023

Chemical Stripping Of Lead Contaminated Material (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0024	SF	Balustrades, Simple, Chemical Stripping Of Lead Contaminated Material	24.91	
02 83 19 13-0025	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	37.23	
02 83 19 13-0026	SF	Fence, Picket, Chemical Stripping Of Lead Contaminated Material	22.37	
02 83 19 13-0027	SF	Floors, Wood, Chemical Stripping Of Lead Contaminated Material	5.58	
02 83 19 13-0028	SF	Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	26.70	
02 83 19 13-0029	SF	Grilles, Simple, Chemical Stripping Of Lead Contaminated Material	22.32	
02 83 19 13-0030	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	16.87	
02 83 19 13-0031	LF	Up To 4" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	7.52	
02 83 19 13-0032	LF	>4" To 8" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	13.51	
02 83 19 13-0033	LF	>8" To 12" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	18.61	
02 83 19 13-0034	LF	>12" To 16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material	33.58	
02 83 19 13-0035	SF	>16" Diameter Pipes (Brush), Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	10.10	
02 83 19 13-0036	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	202.40	
02 83 19 13-0037	SF	Steel, Flat Surfaces And Tanks Up To 12', Chemical Stripping Of Lead Contaminated Material	7.47	
02 83 19 13-0038	SF	Steel Beams, Chemical Stripping Of Lead Contaminated Material	8.51	
02 83 19 13-0039	SF	Metal Stair, Chemical Stripping Of Lead Contaminated Material	40.36	
02 83 19 13-0040	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material	20.29	
Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.				
02 83 19 13-0041	LF	Ornate Railings, Chemical Stripping Of Lead Contaminated Material	6.81	

02 83 19 13-0042

Demolish Lead Contaminated Material (02 83 19 13)

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0043	SF	Remove Lead Paint On Brick Or Concrete Block, Lead Contaminated Material	4.61	
02 83 19 13-0044	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	3.56	
02 83 19 13-0045	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	4.73	
02 83 19 13-0046	SF	Demolish Balustrades And Railings, Lead Contaminated Material	5.25	
02 83 19 13-0047	SF	Demolish Brick, Lead Contaminated Material	3.17	
02 83 19 13-0048	SF	Demolish Concrete Block, Lead Contaminated Material	4.07	
02 83 19 13-0049	SF	Demolish Concrete, Lead Contaminated Material	10.45	
02 83 19 13-0050	LF	Demolish Cabinets, Lead Contaminated Material	24.34	
02 83 19 13-0051	SF	Demolish Fence, Picket, Lead Contaminated Material	1.99	
02 83 19 13-0052	SF	Demolish Grilles, Lead Contaminated Material	2.94	
02 83 19 13-0053	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	12.66	
02 83 19 13-0054	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	5.19	
02 83 19 13-0055	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	7.57	
02 83 19 13-0056	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	11.44	
02 83 19 13-0057	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	21.10	
02 83 19 13-0058	EA	Demolish Radiators, Lead Contaminated Material	91.14	
02 83 19 13-0059	SF	Demolish Siding, Lead Contaminated Material	1.41	
02 83 19 13-0060	SF	Demolish Steel, Flat Surfaces And Tanks Up To 12', Lead Contaminated Material	3.28	
02 83 19 13-0061	SF	Demolish Steel Beams, Lead Contaminated Material	3.87	
02 83 19 13-0062	SF	Demolish Trusses, Lead Contaminated Material	5.08	
02 83 19 13-0063	SF	Demolish Metal Stair, Lead Contaminated Material	6.04	
02 83 19 13-0064	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	7.25	
02 83 19 13-0065	SF	Demolish Plywood, Lead Contaminated Material	5.45	
02 83 19 13-0066	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	2.66	
02 83 19 13-0067	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	16.63	
02 83 19 13-0068	LF	Demolish Metal Hand Rails, Lead Contaminated Material	4.44	
02 83 19 13-0069	LF	Demolish Metal Guard Rails, Lead Contaminated Material	9.98	

02 83 19 13-0070

Wet Sanding Of Lead Contaminated Material (02 83 19 13)

02 Existing Conditions**02 80 Facility Remediation****02 83 Lead Remediation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

02 83 19 13-0071 SF Wet Sand/Scrape Of Lead Contaminated Material For Prep Before New Paint 1.44

02 83 19 13-0072 Lead Abatement Encapsulation (02 83 19 13)

Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.

02 83 19 13-0073	SF	Balustrades, Lead Abatement Encapsulation	4.61
02 83 19 13-0074	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation.....	2.96
02 83 19 13-0075	SF	Columns, Lead Abatement Encapsulation.....	3.58
02 83 19 13-0076	SF	Picket Fence (Brush), Lead Abatement Encapsulation.....	2.15
02 83 19 13-0077	SF	Wood Floors (Roller), Lead Abatement Encapsulation.....	1.79
02 83 19 13-0078	SF	Grilles, Vents, Lead Abatement Encapsulation.....	4.97
02 83 19 13-0079	EA	Hangers, Lead Abatement Encapsulation.....	39.14
02 83 19 13-0080	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	2.79
02 83 19 13-0081	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	4.02
02 83 19 13-0082	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	6.25
02 83 19 13-0083	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation.....	9.23
02 83 19 13-0084	SF	Siding, Lead Abatement Encapsulation.....	2.56
02 83 19 13-0085	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation.....	2.96
02 83 19 13-0086	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	3.88
02 83 19 13-0087	SF	Trusses, Lead Abatement Encapsulation.....	3.88

02 83 33 Removal and Disposal of Material Containing Lead (02 83)**02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)****02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)**

02 83 33 13-0002	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Mild Detergent.....	0.22
02 83 33 13-0003	SF	HEPA Vacuum And Wet Clean Lead Contaminated Area With Tri-Sodium Phosphate.....	0.25
02 83 33 13-0004	SF	HEPA Vacuum And Shampoo Lead Contaminated Carpeting.....	1.05

02 85 Mold Remediation (02 85)

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which task applies. See CSI section 01 74 19 00-0050 for hauling in excess of 25 miles to transfer or disposal site, 02 81 00 00-0000 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for solid isolation barriers, 02 89 00 00-0012 for plastic sheeting for containment construction, 02 89 00 00-0019 for decontamination chambers.

02 85 00 00-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 85)

Note: Treat fittings as additional lf of insulation.

02 85 00 00-0002 Pipe Insulation, Mold Abatement And Disposal (02 85 00 00-0001)

Note: Diameter is outer size of insulation.

02 85 00 00-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 85 00 00-0002)

Note: Excludes encased fittings.

02 85 00 00-0004	LF	Up To 25 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	26.12
02 85 00 00-0005	LF	>25 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	19.49
02 85 00 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	14.62
02 85 00 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.96
02 85 00 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.23
02 85 00 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	7.15

02 85 00 00-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 85 00 00-0002)

02 85 00 00-0011	LF	Up To 25 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	30.04
02 85 00 00-0012	LF	>25 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	22.41
02 85 00 00-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	16.81
02 85 00 00-0014	LF	>500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.61
02 85 00 00-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	9.45
02 85 00 00-0016	LF	>10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	8.23

02 85 00 00-0017 Thermal Insulation, Mold Abatement And Disposal (02 85)**02 85 00 00-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 85 00 00-0017)**

02 85 00 00-0019	SF	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	15.75
02 85 00 00-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	11.20
02 85 00 00-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	8.40
02 85 00 00-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal.....	6.30
02 85 00 00-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	4.83

02 85 00 00-0024 Surfacing Material, Mold Abatement And Disposal (02 85)

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

02 85 00 00-0025 Stucco, Mold Abatement And Disposal (02 85 00 00-0024)

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

02 85 00 00-0026	SF	Up To 100 SF, Stucco, Mold Abatement And Disposal.....	15.75
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 85 00 00-0027 SF >100 To 500 SF, Stucco, Mold Abatement And Disposal	11.20	
02 85 00 00-0028 SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal	8.40	
02 85 00 00-0029 SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	6.30	
02 85 00 00-0030 SF >10,000 SF, Stucco, Mold Abatement And Disposal	4.74	
02 85 00 00-0031 Fireproofing, Mold Abatement And Disposal (02 85 00 00-0024)		
Note: Exposed surface area, includes associated overspray.		
02 85 00 00-0032 SF Up To 100 SF, Fireproofing, Mold Abatement And Disposal	15.75	
02 85 00 00-0033 SF >100 To 500 SF, Fireproofing, Mold Abatement And Disposal	15.43	
02 85 00 00-0034 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	11.60	
02 85 00 00-0035 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	8.70	
02 85 00 00-0036 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal	6.52	
02 85 00 00-0037 Siding, Mold Abatement And Disposal (02 85)		
02 85 00 00-0038 Exterior Siding, Mold Abatement And Disposal (02 85 00 00-0037)		
02 85 00 00-0039 SF Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	7.00	
02 85 00 00-0040 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	4.50	
02 85 00 00-0041 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	3.07	
02 85 00 00-0042 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	2.02	
02 85 00 00-0043 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	1.80	
02 85 00 00-0044 Contaminated Debris, Mold Abatement And Disposal (02 85)		
02 85 00 00-0045 Contaminated Debris, Mold Abatement And Disposal (02 85 00 00-0044)		
02 85 00 00-0046 CF Up To 10 CF, Contaminated Debris, Mold Abatement And Disposal	29.05	
02 85 00 00-0047 CF >10 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	17.43	
02 85 00 00-0048 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	11.62	
02 85 00 00-0049 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	8.72	
02 85 00 00-0050 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	6.97	
02 85 00 00-0051 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.81	
02 85 00 00-0052 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal	3.43	
02 85 00 00-0053 Other Mold Containing Materials, Mold Abatement And Disposal (02 85)		
02 85 00 00-0054 Caulking, Mold Abatement And Disposal (02 85 00 00-0053)		
02 85 00 00-0055 LF Up To 10 LF, Caulking, Mold Abatement And Disposal	2.96	
02 85 00 00-0056 LF >10 To 50 LF, Caulking, Mold Abatement And Disposal	2.52	
02 85 00 00-0057 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal	1.80	
02 85 00 00-0058 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal	1.36	
02 85 00 00-0059 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.01	
02 85 00 00-0060 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	0.82	
02 85 00 00-0061 LF >2,500 LF, Caulking, Mold Abatement And Disposal	0.70	
02 85 00 00-0062 Wipe Down Walls, Ceilings And Floors (02 85 00 00-0053)		
02 85 00 00-0063 CSF Wipe Down Floors With Mild Bleach Solution	14.00	
02 85 00 00-0064 CSF Wipe Down Walls With Mild Bleach Solution	16.47	
02 85 00 00-0065 CSF Wipe Down Ceilings With Mild Bleach Solution	18.74	
02 85 00 00-0066 CSF Wipe Down Countertops With Mild Bleach Solution	15.27	
02 85 00 00-0067 CSF Wipe Down Other Surfaces With Mild Bleach Solution	19.38	
02 86 Hazardous Waste Drum Handling (02 80)		
02 86 00 00-0001 Hazardous Waste Packaging (02 86)		
02 86 00 00-0002 Overpacks (02 86 00 00-0001)		
02 86 00 00-0003 Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)		
02 86 00 00-0004 EA 110 Gallon, 30" Diameter X 41" High	161.68	
02 86 00 00-0005 EA 85 Gallon, 26" Diameter X 38" High	92.03	
02 86 00 00-0006 EA 83 Gallon, 26" Diameter X 36" High	88.82	
02 86 00 00-0007 EA 55 Gallon, DOT 17C, 18" Diameter X 34" High	55.57	
02 86 00 00-0008 EA 30 Gallon, DOT 17C, 18" Diameter X 28" High	43.78	
02 86 00 00-0009 EA 22 Gallon, 16" Diameter X 25" High	29.49	
02 86 00 00-0010 EA 15 Gallon, DOT 17C, 14" Diameter X 24" High	26.67	
02 86 00 00-0011 EA 10 Gallon, 13.8" Diameter X 15" High	23.50	
02 86 00 00-0012 Polyethylene Overpacks (02 86 00 00-0002)		
02 86 00 00-0013 EA 95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	182.62	
02 86 00 00-0014 EA 20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	33.75	
02 86 00 00-0015 EA 85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	165.25	
02 86 00 00-0016 Composite Overpacks (02 86 00 00-0002)		

02 Existing Conditions**02 80 Facility Remediation****02 86 Hazardous Waste Drum Handling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0017 EA 55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	89.68	
02 86 00 00-0018 EA 55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	123.06	
02 86 00 00-0019 EA 85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums.....	166.91	
02 86 00 00-0020 DOT E-9168 Exempt Packaging (02 86 00 00-0002)		
02 86 00 00-0021 EA 32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	9.78	
02 86 00 00-0022 EA 950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.32	
02 86 00 00-0023 EA 500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	10.09	
02 86 00 00-0024 EA 250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	5.00	
02 86 00 00-0025 EA Can, Carton, Insert, Tape - Corrosive And Flammable - UPS.....	4.80	
02 86 00 00-0026 EA 16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	3.93	
02 86 00 00-0027 EA 32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS.....	5.11	
02 86 00 00-0028 Steel Drums (02 86 00 00-0001)		
02 86 00 00-0029 UN Rated Steel Drums (02 86 00 00-0002)		
02 86 00 00-0030 EA UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum.....	65.74	
02 86 00 00-0031 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49).....	923.11	
02 86 00 00-0032 EA 8 Gallon, 17C, Open.....	30.11	
02 86 00 00-0033 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24).....	744.90	
02 86 00 00-0034 EA 55 Gallon Reconditioned Steel 17h Drum (50+).....	29.46	
02 86 00 00-0035 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49).....	730.88	
02 86 00 00-0036 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24).....	1,069.28	
02 86 00 00-0037 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+).....	875.05	
02 86 00 00-0038 EA UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum.....	62.13	
02 86 00 00-0039 EA UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum.....	50.38	
02 86 00 00-0040 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9).....	967.16	
02 86 00 00-0041 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49).....	1,049.26	
02 86 00 00-0042 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+).....	658.79	
02 86 00 00-0043 EA 55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+).....	945.14	
02 86 00 00-0044 EA UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum.....	39.70	
02 86 00 00-0045 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24).....	949.14	
02 86 00 00-0046 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	620.75	
02 86 00 00-0047 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	596.72	
02 86 00 00-0048 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	1,009.21	
02 86 00 00-0049 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	855.03	
02 86 00 00-0050 EA UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum.....	46.02	
02 86 00 00-0051 EA 55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+).....	810.97	
02 86 00 00-0052 EA UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum.....	39.12	
02 86 00 00-0053 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	985.18	
02 86 00 00-0054 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	570.69	
02 86 00 00-0055 EA 30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	550.66	
02 86 00 00-0056 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	967.16	
02 86 00 00-0057 EA 30 Gallon, 17E, Open.....	28.38	
02 86 00 00-0058 EA 55 Gallon Reconditioned Steel 17h Drum (1-9).....	43.20	
02 86 00 00-0059 EA 20 Gallon, 17C, Open.....	39.89	
02 86 00 00-0060 EA 55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	871.05	
02 86 00 00-0061 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9).....	1,043.25	
02 86 00 00-0062 EA 55 Gallon Reconditioned Steel 17h Drum (10-24).....	38.29	
02 86 00 00-0063 EA 55 Gallon Reconditioned Steel 17h Drum (25-49).....	33.38	
02 86 00 00-0064 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9).....	762.92	
02 86 00 00-0065 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24).....	1,023.23	
02 86 00 00-0066 EA 20 Gallon, 17E, Open.....	26.85	
02 86 00 00-0067 Plastic Drums (02 86 00 00-0001)		
02 86 00 00-0068 Polyethylene Closed Head Drums (02 86 00 00-0067)		
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069 EA 55 Gallon Polyethylene Closed Head Drums.....	41.27	
02 86 00 00-0070 EA 35 Gallon Polyethylene Closed Head Drums.....	31.68	
02 86 00 00-0071 EA 30 Gallon Polyethylene Closed Head Drums.....	28.77	
02 86 00 00-0072 EA 20 Gallon Polyethylene Closed Head Drums.....	20.10	
02 86 00 00-0073 EA 15 Gallon Polyethylene Closed Head Drums.....	19.71	
02 86 00 00-0074 Polyethylene Open Head Drums (02 86 00 00-0067)		
Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075 EA 55 Gallon Polyethylene Open Head Drums.....	52.16	
02 86 00 00-0076 EA 35 Gallon Polyethylene Open Head Drums.....	38.35	
02 86 00 00-0077 EA 30 Gallon Polyethylene Open Head Drums.....	36.44	
02 86 00 00-0078 EA 20 Gallon Polyethylene Open Head Drums.....	26.85	
02 86 00 00-0079 EA 15 Gallon Polyethylene Open Head Drums.....	23.01	
02 86 00 00-0080 Fiber Drums (02 86 00 00-0001)		
02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)		
Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082 EA 30 Gallon Fiber Drum DOT-21C (1-9).....	31.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0083 EA 30 Gallon Fiber Drum DOT-21C (10-24).....	29.61	
02 86 00 00-0084 EA 30 Gallon Fiber Drum DOT-21C (25-49).....	27.00	
02 86 00 00-0085 EA 30 Gallon Fiber Drum DOT-21C (50+).....	26.69	
02 86 00 00-0086 EA 55 Gallon Fiber Drum DOT-21C (1-9).....	32.52	
02 86 00 00-0087 EA 55 Gallon Fiber Drum DOT-21C (10-24).....	30.68	
02 86 00 00-0088 EA 55 Gallon Fiber Drum DOT-21C (25-49).....	28.38	
02 86 00 00-0089 EA 55 Gallon Fiber Drum DOT-21C (50-99).....	27.46	
02 86 00 00-0090 EA 55 Gallon Fiber Drum DOT-21C (100+).....	23.78	
02 86 00 00-0091 EA 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined.....	20.25	
02 86 00 00-0092 EA 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined.....	22.09	
02 86 00 00-0093 EA 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined.....	25.77	
02 86 00 00-0094 Loading Hazardous Waste For Shipment (02 86 00 00-0001)		
02 86 00 00-0095 EA Load Drums On Disposal Truck.....	7.92	
02 86 00 00-0096 EA Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck.....	874.46	
02 86 00 00-0097 Transport Drums To Landfill (02 86 00 00-0001)		
Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098 EA Transport Drum To Landfill.....	49.47	
Note: Includes transportation for up to 25 miles.		
02 87 Bio-Hazard Material Remediation (02 80)		
Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.		
02 87 00 00-0001 Bird Waste Removal (02 87)		
Note: In addition to items listed the Bio-Hazard Material Remediation note above, tasks include wetting agents and disinfection of contaminated surfaces.		
02 87 00 00-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness.....	504.03	
<i>For Work In Restricted Working Space, Add</i>		
	151.21	
02 87 00 00-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness.....	8.40	
<i>For Work In Restricted Working Space, Add</i>		
	2.52	
02 87 00 00-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness.....	7.64	
<i>For Work In Restricted Working Space, Add</i>		
	2.29	
02 87 00 00-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness.....	6.94	
<i>For Work In Restricted Working Space, Add</i>		
	2.08	
02 87 00 00-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness.....	6.31	
<i>For Work In Restricted Working Space, Add</i>		
	1.89	
02 89 Hazmat Ancillary Tasks And Support (02 80)		
02 89 00 00-0001 Barriers And Protection (02 89)		
Note: Includes removal and disposal after use.		
02 89 00 00-0002 Isolation Barriers (02 89 00 00-0001)		
Note: Use framing task with applicable barrier task.		
02 89 00 00-0003 SF 1/2" Plywood For Solid Isolation Barrier.....	2.62	
02 89 00 00-0004 SF Plastic Sheeting For Separation Barrier.....	0.31	
02 89 00 00-0005 SF 1/2" Drywall For Solid Isolation Barrier.....	1.23	
02 89 00 00-0006 SF 5/8" Drywall For Solid Isolation Barrier.....	1.37	
02 89 00 00-0007 Cleaning Surfaces (02 89 00 00-0001)		
Note: Other surfaces within contamination area but not contaminated by, or part of removal.		
02 89 00 00-0008 SF Up To 100 SF, Clean Asbestos Surface.....	0.62	
02 89 00 00-0009 SF >100 To 500 SF, Clean Asbestos Surface.....	0.37	
02 89 00 00-0010 SF >500 To 1,000 SF, Clean Asbestos Surface.....	0.29	
02 89 00 00-0011 SF >1,000 SF, Clean Asbestos Surface.....	0.24	
02 89 00 00-0012 Hazmat Containment Construction (02 89 00 00-0001)		
02 89 00 00-0013 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.32	
02 89 00 00-0014 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.41	
02 89 00 00-0015 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.55	
02 89 00 00-0016 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Floors, Hazmat Containment Construction.....	0.50	
02 89 00 00-0017 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Walls, Hazmat Containment Construction.....	0.62	
02 89 00 00-0018 SF 6 Mil Plastic Anti Static And Fire And Flame Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction.....	0.79	
02 89 00 00-0019 Decontamination Chambers (02 89)		
Note: Includes removal after use.		

02 Existing Conditions**02 80 Facility Remediation****02 89 Hazmat Ancillary Tasks And Support**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 89 00 00-0020 EA Portable Personnel Decontamination Wash Facility (3 Stage)..... Note: Includes connection to negative air system. <i>For Dismantling And Relocation To A Different Area, Add</i>	563.27	340.26
02 89 00 00-0021 EA Portable Waste Decontamination Unit..... Note: Includes connection to negative air system. <i>For Dismantling And Relocation To A Different Area, Add</i>	355.04	243.54

END OF SECTION 02



Concrete	03	03
Maintenance Of Concrete	03 01	
Maintenance Of Cast-In-Place Concrete	03 01 30	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 Concrete

03 01 Maintenance Of Concrete (03)

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

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

03 01 30 51-0001	Abrasive Blasting <small>(03 01 30 51)</small>	
	Note: Includes containment and clean-up of all material.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot Blasting (Beads, Steel Balls, Etcetera).....	3.77

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

03 01 30 71-0001	Concrete Resurfacing/Repair <small>(03 01 30 71)</small>	
	See CSI section 09 91 43 00-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair <small>(03 01 30 71-0001)</small>	
03 01 30 71-0003	Decks Or Floors <small>(03 01 30 71-0002)</small>	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF 1/8" To 1/4", Cementitious Mortar Patch, Decks And Floors.....	4.75
03 01 30 71-0005	SF 1/8" To 1/4", Epoxy Cementitious Mortar Patch, Decks And Floors.....	15.16
03 01 30 71-0006	SF White Aluminum Oxide Grit (Non Slip Aggregate) Patch, Decks And Floors.....	0.43
03 01 30 71-0007	Concrete Grinding <small>(03 01 30 71-0002)</small>	
03 01 30 71-0008	SY Grinding Cured, Warped, Or Rough Slabs	1.42

03 01 30 71-0009	Verticals Or Overheads <small>(03 01 30 71-0002)</small>	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0010	SF 1/8" To 1/4" Cementitious Mortar Patch, Verticals And Overheads	7.11
03 01 30 71-0011	SF 1/8" To 1/4" Epoxy Cementitious Mortar Patch, Verticals And Overheads	20.65
03 01 30 71-0012	SF 1/8" To 1/4" Latex Cementitious Mortar Patch, Verticals And Overheads	23.27
03 01 30 71-0013	SF 1/8" To 1/4" Elastomeric Compound Patch, Verticals And Overheads	5.48
03 01 30 71-0014	SF 1/8" To 1/4" Copolymer Cementitious Compound Patch, Verticals And Overheads.....	9.55
	Note: Rapid Set - Wunderfixx	

03 01 30 71-0015	Bridge Deck Treatment <small>(03 01 30 71-0002)</small>	
03 01 30 71-0016	SF Sweep Bridge Deck	0.01
03 01 30 71-0017	SF Clean Bridge Deck.....	0.01
03 01 30 71-0018	SF Treat Bridge Deck With Methacrylate Resin Sealant.....	1.28

03 01 30 71-0019	Concrete Finishes <small>(03 01 30 71-0001)</small>	
03 01 30 71-0020	Concrete Patching <small>(03 01 30 71-0019)</small>	
03 01 30 71-0021	Walls <small>(03 01 30 71-0020)</small>	
03 01 30 71-0022	BAG Sika Top 111 Plus.....	96.76
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.	
	Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	31.83
	For >10 To 25, Add	19.10
	For >25 To 50, Add	12.73
	For >50 To 75, Add	6.37
03 01 30 71-0023	BAG Sika Grout 212, 50 LB Bag.....	38.94
	Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	
	For Up To 10, Add	5.68
	For >10 To 25, Add	3.41
	For >25 To 50, Add	2.27
	For >50 To 75, Add	1.14
03 01 30 71-0024	EA Sika Flex 1A, 10.3 Ounce Tube.....	26.35
	Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	
03 01 30 71-0025	BAG Pea Gravel.....	18.60

03 01 30 71-0026	Crack Repair For Concrete <small>(03 01 30 71-0001)</small>	
03 01 30 71-0027	Non Structural Crack Repair For Concrete <small>(03 01 30 71-0026)</small>	
03 01 30 71-0028	Surface Applied, Non Structural Crack Repair For Concrete <small>(03 01 30 71-0027)</small>	
	Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.	

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

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0029 LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	4.88	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0030 LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.35	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0031 LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	4.95	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0032 LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.49	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0033 LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	5.20	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0034 LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	7.00	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0035 LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	5.39	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0036 LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.37	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0037 Pressure Injected, Non Structural Crack Repair For Concrete (03 01 30 71-0027)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0038 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	19.64	
For Cracks Accessible From Both Sides, Add	3.99	
03 01 30 71-0039 Structural Crack Repair For Concrete (03 01 30 71-0026)		
03 01 30 71-0040 Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0039)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0041 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	5.43	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0042 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.46	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0043 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	5.43	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0044 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	7.44	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0045 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	6.16	
For V-Grooving Crack With Grinder, Add	3.94	
03 01 30 71-0046 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	8.91	
For V-Grooving Crack With Grinder, Add	3.84	
03 01 30 71-0047 Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0039)		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0048 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	17.66	
For Cracks Accessible From Both Sides, Add	3.99	
03 01 30 71-0049 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	17.66	
For Cracks Accessible From Both Sides, Add	3.99	
03 01 30 71-0050 Carbon Fiber Strengthening System (03 01 30 71-0001)		
Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0051 SF Carbon Fiber Strengthening System Beams, Per Layer.....	51.92	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0052 SF Carbon Fiber Strengthening System Columns, Per Layer.....	45.61	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		
03 01 30 71-0053 SF Carbon Fiber Strengthening System Slabs, Per Layer.....	40.08	
Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.		

03 05 Common Work Results For Concrete (03)



Concrete		03
Common Work Results For Concrete		03 05
Concrete Admixtures		03 05 00 00-0001

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 05 00 00-0001 Concrete Admixtures (03 05)		
03 05 00 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture 3.36
03 05 00 00-0003	CY	Set Retarding, Type B Concrete Admixture 2.32
03 05 00 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture 3.61
03 05 00 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture 7.23
03 05 00 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture 6.46
03 05 00 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture 12.91
03 05 00 00-0008	CY	Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture 2.79
03 05 00 00-0009	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture 3.87
03 05 00 00-0010	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture 7.75
03 05 00 00-0011	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture 4.19
03 05 00 00-0012	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture 6.20
03 05 00 00-0013	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture 8.26
03 05 00 00-0014	CY	25 LB/CY Steel Fibers, Concrete Admixture 20.34
03 05 00 00-0015	CY	10% Microsilica (Silica Fume), Concrete Admixture 67.08
03 05 00 00-0016	CY	Corrosion Inhibiting Concrete Admixture 15.49
03 05 00 00-0017	CY	Winter Service Or Heat, Concrete Add 3.61
03 05 00 00-0018	CY	Chilled Water, Concrete Add 3.61
03 05 00 00-0019	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture 20.91
03 05 00 00-0020	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture 34.86
03 05 00 00-0021	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture 66.93
03 05 00 00-0022	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture 92.95

03 10 Concrete Forming And Accessories (03)

03 11 Concrete Forming (03 10)

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

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork (03 11 13)		
Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0002 Foundation Wood Formwork (03 11 13 00-0001)		
Note: For foundation work below or at grade.		
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork 5.81
		For <1,000, Add 1.08
		For Foundations >8' Below Grade, Add 1.04
		For Curved Formwork, Add 2.09
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork 6.93
		For <1,000, Add 1.30
		For Foundations >8' Below Grade, Add 1.26
		For Curved Formwork, Add 2.52
03 11 13 00-0005	SF	Mat Foundation Wood Formwork 8.01
		For <1,000, Add 1.53
		For Foundations >8' Below Grade, Add 1.49
		For Curved Formwork, Add 2.97
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork 6.66
		For <1,000, Add 1.26
		For Foundations >8' Below Grade, Add 1.22
		For Curved Formwork, Add 2.43
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork 9.45
		Note: Excludes footing
		For <1,000, Add 1.78
		For Foundations >8' Below Grade, Add 1.72
		For Curved Formwork, Add 3.44
03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork 4.48
		For Foundations >8' Below Grade, Add 0.83
		For Curved Formwork, Add 1.67
		For <250, Add 0.85
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork 6.44
		For Foundations >8' Below Grade, Add 1.16
		For Curved Formwork, Add 2.33
		For <250, Add 1.21
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork 8.28
		For Foundations >8' Below Grade, Add 1.51
		For Curved Formwork, Add 3.01
		For <1,000, Add 1.56
03 11 13 00-0012 Column Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork 34.75
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork 50.77
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork 63.72
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork 91.24
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork 130.87
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork 172.76

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0019 Above Grade Wall Wood Formwork (03 11 13 00-0001)		
03 11 13 00-0020 SF Up To 8' High Above Grade Wall Wood Formwork.....	10.56	
For Curved Formwork, Add	3.88	
For <1,000, Add	2.00	
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork	12.51	
For Curved Formwork, Add	4.61	
For <1,000, Add	2.37	
03 11 13 00-0022 Elevated Beam Wood Formwork (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork	13.69	
For Curved Formwork, Add	5.05	
For <1,000, Add	2.60	
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork.....	8.76	
For Curved Formwork, Add	3.23	
For <1,000, Add	1.66	
03 11 13 00-0025 Elevated Slab Wood Formwork (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork.....	8.09	
For <1,000, Add	1.49	
03 11 13 00-0027 Metal Framed Formwork (03 11 13)		
Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, tumbuckles, ties, and clips.		
03 11 13 00-0028 Foundation Metal Framed Formwork (03 11 13 00-0027)		
Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork	4.98	
For <1,000, Add	0.95	
For Foundations >8' Below Grade, Add	0.92	
For Curved Formwork, Add	1.84	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	5.56	
For <1,000, Add	1.06	
For Foundations >8' Below Grade, Add	1.03	
For Curved Formwork, Add	2.07	
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork	6.17	
For <1,000, Add	1.17	
For Foundations >8' Below Grade, Add	1.14	
For Curved Formwork, Add	2.27	
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork.....	5.19	
For <1,000, Add	0.98	
For Foundations >8' Below Grade, Add	0.95	
For Curved Formwork, Add	1.91	
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork.....	8.03	
Note: Excludes footing.		
For <1,000, Add	1.54	
For Foundations >8' Below Grade, Add	1.50	
For Curved Formwork, Add	3.00	
03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	3.83	
For Foundations >8' Below Grade, Add	0.75	
For Curved Formwork, Add	1.51	
For <250, Add	0.76	
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork.....	4.78	
For Foundations >8' Below Grade, Add	0.94	
For Curved Formwork, Add	1.87	
For <250, Add	0.94	
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork	5.28	
For Foundations >8' Below Grade, Add	1.03	
For Curved Formwork, Add	2.07	
For <1,000, Add	1.04	
03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0039 Square Columns (03 11 13 00-0038)		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork	30.60	
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork	36.82	
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork	43.06	
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork	51.53	
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork	61.99	
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork	74.30	
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork	95.23	
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork	117.24	
03 11 13 00-0048 Round Columns (03 11 13 00-0038)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0049	LF			Up To 12" Diameter Column Metal Formwork	25.83	
03 11 13 00-0050	LF			>12" To 16" Diameter Column Metal Formwork.....	29.07	
03 11 13 00-0051	LF			>16" To 20" Diameter Column Metal Formwork.....	33.71	
03 11 13 00-0052	LF			>20" To 24" Diameter Column Metal Formwork.....	39.96	
03 11 13 00-0053	LF			>24" To 30" Diameter Column Metal Formwork.....	47.60	
03 11 13 00-0054	LF			>30" To 36" Diameter Column Metal Formwork.....	54.83	
03 11 13 00-0055	LF			>36" To 48" Diameter Column Metal Formwork.....	69.45	
03 11 13 00-0056	LF			>48" To 60" Diameter Column Metal Formwork.....	86.65	
03 11 13 00-0057				Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)		
03 11 13 00-0058	SF			Up to 8' High Above Grade Wall Metal Framed Formwork	4.76	
				<i>For Curved Formwork, Add</i>	1.69	
				<i>For <1,000, Add</i>	0.88	
03 11 13 00-0059	SF			>8' High Above Grade Wall Metal Framed Formwork.....	5.76	
				<i>For Curved Formwork, Add</i>	2.03	
				<i>For <1,000, Add</i>	1.06	
03 11 13 00-0060				Elevated Beam Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF			Bottom of Elevated Beam Metal Framed Formwork	4.71	
				<i>For Curved Formwork, Add</i>	1.58	
				<i>For <1,000, Add</i>	0.84	
03 11 13 00-0062	SF			Vertical Sides of Elevated Beam Metal Framed Formwork.....	3.51	
				<i>For Curved Formwork, Add</i>	1.23	
				<i>For <1,000, Add</i>	0.65	
03 11 13 00-0063				Elevated Slab Metal Framed Formwork (03 11 13 00-0027)		
				Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF			Elevated Slab Metal Framed Formwork.....	6.19	
				<i>For <1,000, Add</i>	0.99	
03 11 13 00-0065				Fiber Tube Formwork (03 11 13)		
				Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066				Round Column Fiber Tube Formwork (03 11 13 00-0065)		
03 11 13 00-0067	LF			8" Diameter Round Fiber Tube Formwork	15.20	
				<i>For Plastic Lined, Add</i>	0.82	
				<i>For Columns >12' In Length, Add</i>	1.52	
03 11 13 00-0068	LF			10" Diameter Round Fiber Tube Formwork	17.12	
				<i>For Plastic Lined, Add</i>	1.04	
				<i>For Columns >12' In Length, Add</i>	1.71	
03 11 13 00-0069	LF			12" Diameter Round Fiber Tube Formwork	19.52	
				<i>For Plastic Lined, Add</i>	1.20	
				<i>For Columns >12' In Length, Add</i>	1.95	
03 11 13 00-0070	LF			14" Diameter Round Fiber Tube Formwork	21.39	
				<i>For Plastic Lined, Add</i>	1.37	
				<i>For Columns >12' In Length, Add</i>	2.14	
03 11 13 00-0071	LF			16" Diameter Round Fiber Tube Formwork	22.57	
				<i>For Plastic Lined, Add</i>	1.55	
				<i>For Columns >12' In Length, Add</i>	2.26	
03 11 13 00-0072	LF			18" Diameter Round Fiber Tube Formwork	25.27	
				<i>For Plastic Lined, Add</i>	2.15	
				<i>For Columns >12' In Length, Add</i>	2.53	
03 11 13 00-0073	LF			20" Diameter Round Fiber Tube Formwork	27.84	
				<i>For Plastic Lined, Add</i>	2.72	
				<i>For Columns >12' In Length, Add</i>	2.78	
03 11 13 00-0074	LF			22" Diameter Round Fiber Tube Formwork	29.39	
				<i>For Plastic Lined, Add</i>	2.91	
				<i>For Columns >12' In Length, Add</i>	2.94	
03 11 13 00-0075	LF			24" Diameter Round Fiber Tube Formwork	30.95	
				<i>For Plastic Lined, Add</i>	3.09	
				<i>For Columns >12' In Length, Add</i>	3.10	
03 11 13 00-0076	LF			26" Diameter Round Fiber Tube Formwork	32.06	
				<i>For Plastic Lined, Add</i>	3.32	
				<i>For Columns >12' In Length, Add</i>	3.21	
03 11 13 00-0077	LF			28" Diameter Round Fiber Tube Formwork	33.27	
				<i>For Plastic Lined, Add</i>	3.57	
				<i>For Columns >12' In Length, Add</i>	3.33	
03 11 13 00-0078	LF			30" Diameter Round Fiber Tube Formwork	34.63	
				<i>For Plastic Lined, Add</i>	3.86	
				<i>For Columns >12' In Length, Add</i>	3.46	
03 11 13 00-0079	LF			36" Diameter Round Fiber Tube Formwork	39.29	
				<i>For Plastic Lined, Add</i>	4.85	
				<i>For Columns >12' In Length, Add</i>	3.93	
03 11 13 00-0080	LF			42" Diameter Round Fiber Tube Formwork	48.51	
				<i>For Plastic Lined, Add</i>	7.32	
				<i>For Columns >12' In Length, Add</i>	4.85	
03 11 13 00-0081	LF			48" Diameter Round Fiber Tube Formwork	57.70	
				<i>For Plastic Lined, Add</i>	9.79	
				<i>For Columns >12' In Length, Add</i>	5.77	

03 Concrete**03 10 Concrete Forming And Accessories****03 11 Concrete Forming**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

03 11 13 00-0082		Accessories For Formwork <small>(03 11 13)</small>	
03 11 13 00-0083		Keyway Forms, All Materials <small>(03 11 13 00-0082)</small>	
03 11 13 00-0084	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials.....	1.58
03 11 13 00-0085		Chamfer Strips, All Materials <small>(03 11 13 00-0082)</small>	
03 11 13 00-0086	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.66
03 11 13 00-0087	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	1.93
03 11 13 00-0088	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.23
03 11 13 00-0089		Reglets <small>(03 11 13 00-0082)</small>	
03 11 13 00-0090	LF	24 To 26 Gauge Galvanized Steel Reglets for Concrete Formwork	7.81
03 11 13 00-0091		Sleeves And Chases, Plastic Or Sheet Metal <small>(03 11 13 00-0082)</small>	
03 11 13 00-0092	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	9.09
03 11 13 00-0093	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	10.84
03 11 13 00-0094	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	13.09
03 11 13 00-0095	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	14.58
03 11 13 00-0096	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	18.71
03 11 13 00-0097	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	38.66
03 11 16		Architectural Cast-In-Place Concrete Forming <small>(03 11)</small>	
03 11 16 00-0001		Concrete Form Liners <small>(03 11 16)</small>	
03 11 16 00-0002	SF	Concrete Form Liner, Various Patterns And Textures, Add To Formwork	4.02
03 11 23		Permanent Stair Forming <small>(03 11)</small>	
03 11 23 00-0001		Stairway Wood Formwork <small>(03 11 23)</small>	
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	13.41
		<i>For Curved Formwork, Add</i>	5.15
		<i>For <1,000, Add</i>	2.61
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork.....	26.39
		<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>	
		<i>For Curved Formwork, Add</i>	10.01
		<i>For <1,000, Add</i>	5.10
03 11 23 00-0004		Stairway Metal Framed Formwork <small>(03 11 23)</small>	
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	10.79
		<i>For Curved Formwork, Add</i>	4.17
		<i>For <1,000, Add</i>	2.11
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	20.09
		<i>Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.</i>	
		<i>For Curved Formwork, Add</i>	7.75
		<i>For <1,000, Add</i>	3.92
03 15		Concrete Accessories <small>(03 10)</small>	
03 15 13		Waterstops <small>(03 15)</small>	
03 15 13 13		Non-Expanding Waterstops <small>(03 15 13)</small>	
03 15 13 13-0001		Polyvinyl Chloride (PVC) Waterstops <small>(03 15 13 13)</small>	
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	5.87
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	6.53
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	7.67
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	8.32
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.67
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	6.01
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	7.66
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	12.60
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	10.30
03 15 13 13-0011		Rubber Waterstops <small>(03 15 13 13)</small>	
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	7.36
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	8.57
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	8.04
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.38
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	9.05
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	11.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 13 16 Expanding Waterstops (03 15 13)**03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)**

03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	5.05	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	7.50	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	8.37	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	9.33	

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

03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	2.58	0.68
		<i>For Installation In Walls, Add</i>	1.13	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	5.50	0.68
		<i>For Installation In Walls, Add</i>	1.28	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	2.26	0.68
		<i>For Installation In Walls, Add</i>	1.13	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	4.71	0.68
		<i>For Installation In Walls, Add</i>	1.28	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	2.36	0.68
		<i>For Installation In Walls, Add</i>	1.28	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Hot Or Cold Applied	5.34	0.68
		<i>For Installation In Walls, Add</i>	2.08	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	1.86	0.68
		<i>For Installation In Walls, Add</i>	1.13	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	2.26	0.68
		<i>For Installation In Walls, Add</i>	1.13	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	3.06	0.68
		<i>For Installation In Walls, Add</i>	1.28	

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

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.69	0.78
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.90	0.83
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.05	0.87
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.20	0.90
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.82	0.78
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	2.01	0.83
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.24	0.87
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.58	0.90
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	1.66	0.74
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	1.80	0.78
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.96	0.83
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.10	0.87
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	2.27	0.90
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.51	0.94
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	2.70	1.02
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	3.00	1.08
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	1.97	0.83
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	2.24	0.87
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	2.71	0.94
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	4.62	1.29

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

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	2.73	0.83
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	3.07	0.90
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	3.33	0.94
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	4.58	0.98
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	4.87	1.02
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	5.43	1.29
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	6.24	1.29
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	6.61	1.29

03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.81	0.83
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.89	0.87
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.00	0.90
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.29	0.94
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	1.86	0.83
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	1.95	0.87
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	2.03	0.90
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	2.22	0.94

03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)

03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	1.83	0.83
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03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint.....		1.99	0.87
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint.....		2.21	0.94
03 15 16 00-0055		Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)			
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....		3.63	0.78
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....		4.34	0.78
03 15 16 00-0058		Asphalt Felt Control Joints Or Bond Breaker (03 15 16)			
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....		0.91	0.58
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....		0.84	0.58
03 15 16 00-0061		Keyed Cold Expansion And Control Joints (03 15 16)			
03 15 16 00-0062		24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)			
03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint.....		4.47	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint.....		4.55	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint.....		4.72	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint.....		5.00	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint.....		6.25	
03 15 19		Cast-In Concrete Anchors (03 15)			
03 15 19 00-0001		Cast In Place Anchors (03 15 19)			
		Note: For cast in place installations. Includes nut and washer.			
03 15 19 00-0002		J-Type Anchor Bolts (03 15 19 00-0001)			
		See CSI section 03 11 13 00-0002 for template.			
03 15 19 00-0003		1/2" And 5/8" Diameter (03 15 19 00-0002)			
03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		5.88	
		For Galvanized, Add		0.72	
		For Stainless Steel, Add		5.01	
		For >10 To 50, Deduct		-0.22	
		For >50 To 100, Deduct		-0.48	
		For >100, Deduct		-0.96	
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		6.61	
		For Galvanized, Add		0.91	
		For Stainless Steel, Add		6.37	
		For >10 To 50, Deduct		-0.24	
		For >50 To 100, Deduct		-0.52	
		For >100, Deduct		-1.05	
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		7.71	
		For Galvanized, Add		1.26	
		For Stainless Steel, Add		8.79	
		For >10 To 50, Deduct		-0.26	
		For >50 To 100, Deduct		-0.58	
		For >100, Deduct		-1.17	
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		8.48	
		For Galvanized, Add		1.64	
		For Stainless Steel, Add		11.48	
		For >10 To 50, Deduct		-0.26	
		For >50 To 100, Deduct		-0.60	
		For >100, Deduct		-1.20	
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		10.05	
		For Galvanized, Add		2.19	
		For Stainless Steel, Add		15.33	
		For >10 To 50, Deduct		-0.28	
		For >50 To 100, Deduct		-0.68	
		For >100, Deduct		-1.35	
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		11.24	
		For Galvanized, Add		2.51	
		For Stainless Steel, Add		17.54	
		For >10 To 50, Deduct		-0.31	
		For >50 To 100, Deduct		-0.75	
		For >100, Deduct		-1.50	
03 15 19 00-0010		3/4" And 7/8" Diameter (03 15 19 00-0002)			
03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		11.20	
		For Galvanized, Add		2.49	
		For Stainless Steel, Add		17.40	
		For >10 To 50, Deduct		-0.31	
		For >50 To 100, Deduct		-0.75	
		For >100, Deduct		-1.49	
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt.....		12.72	
		For Galvanized, Add		2.90	
		For Stainless Steel, Add		20.27	
		For >10 To 50, Deduct		-0.35	
		For >50 To 100, Deduct		-0.84	
		For >100, Deduct		-1.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.21	
For Galvanized, Add	3.71	
For Stainless Steel, Add	25.97	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.93	
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	18.08	
For Galvanized, Add	4.68	
For Stainless Steel, Add	32.73	
For >10 To 50, Deduct	-0.44	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.21	
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	14.59	
For Galvanized, Add	3.40	
For Stainless Steel, Add	23.80	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-0.95	
For >100, Deduct	-1.90	
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.04	
For Galvanized, Add	4.07	
For Stainless Steel, Add	28.49	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.09	
For >100, Deduct	-2.19	
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	21.24	
For Galvanized, Add	5.43	
For Stainless Steel, Add	37.98	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.31	
For >100, Deduct	-2.62	
03 15 19 00-0018 1" And 1-1/8" Diameter <small>(03 15 19 00-0002)</small>		
03 15 19 00-0019 EA 1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	17.69	
For Galvanized, Add	4.40	
For Stainless Steel, Add	30.77	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.11	
For >100, Deduct	-2.22	
03 15 19 00-0020 EA 1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.97	
For Galvanized, Add	5.29	
For Stainless Steel, Add	37.03	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.61	
03 15 19 00-0021 EA 1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	25.72	
For Galvanized, Add	6.63	
For Stainless Steel, Add	46.41	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.58	
For >100, Deduct	-3.16	
03 15 19 00-0022 EA 1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.78	
For Galvanized, Add	8.10	
For Stainless Steel, Add	56.70	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.96	
For >100, Deduct	-3.93	
03 15 19 00-0023 EA 1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	20.77	
For Galvanized, Add	5.50	
For Stainless Steel, Add	38.47	
For >10 To 50, Deduct	-0.49	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.51	
03 15 19 00-0024 EA 1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.62	
For Galvanized, Add	6.61	
For Stainless Steel, Add	46.27	
For >10 To 50, Deduct	-0.57	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.94	
03 15 19 00-0025 EA 1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	30.26	
For Galvanized, Add	8.29	
For Stainless Steel, Add	58.03	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.57	
03 15 19 00-0026 EA 1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	37.36	
For Galvanized, Add	10.13	
For Stainless Steel, Add	70.88	
For >10 To 50, Deduct	-0.86	
For >50 To 100, Deduct	-2.22	
For >100, Deduct	-4.43	
03 15 19 00-0027 1-1/4" And 1-1/2" Diameter <small>(03 15 19 00-0002)</small>		

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	24.55	
			<i>For Galvanized, Add</i>	6.87	
			<i>For Stainless Steel, Add</i>	48.06	
			<i>For >10 To 50, Deduct</i>	-0.54	
			<i>For >50 To 100, Deduct</i>	-1.43	
			<i>For >100, Deduct</i>	-2.85	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.16	
			<i>For Galvanized, Add</i>	8.27	
			<i>For Stainless Steel, Add</i>	57.86	
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.68	
			<i>For >100, Deduct</i>	-3.35	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	35.88	
			<i>For Galvanized, Add</i>	10.37	
			<i>For Stainless Steel, Add</i>	72.56	
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-2.03	
			<i>For >100, Deduct</i>	-4.07	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	44.25	
			<i>For Galvanized, Add</i>	12.66	
			<i>For Stainless Steel, Add</i>	88.59	
			<i>For >10 To 50, Deduct</i>	-0.95	
			<i>For >50 To 100, Deduct</i>	-2.53	
			<i>For >100, Deduct</i>	-5.05	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	29.31	
			<i>For Galvanized, Add</i>	8.59	
			<i>For Stainless Steel, Add</i>	60.10	
			<i>For >10 To 50, Deduct</i>	-0.61	
			<i>For >50 To 100, Deduct</i>	-1.64	
			<i>For >100, Deduct</i>	-3.29	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	34.83	
			<i>For Galvanized, Add</i>	10.33	
			<i>For Stainless Steel, Add</i>	72.31	
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.93	
			<i>For >100, Deduct</i>	-3.87	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.91	
			<i>For Galvanized, Add</i>	12.96	
			<i>For Stainless Steel, Add</i>	90.69	
			<i>For >10 To 50, Deduct</i>	-0.85	
			<i>For >50 To 100, Deduct</i>	-2.35	
			<i>For >100, Deduct</i>	-4.70	
03 15 19 00-0035	EA		1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	52.88	
			<i>For Galvanized, Add</i>	15.82	
			<i>For Stainless Steel, Add</i>	110.74	
			<i>For >10 To 50, Deduct</i>	-1.06	
			<i>For >50 To 100, Deduct</i>	-2.92	
			<i>For >100, Deduct</i>	-5.83	
03 15 19 00-0036			L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
			See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037			3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA		3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	10.73	
			<i>For Galvanized, Add</i>	1.90	
			<i>For Stainless Steel, Add</i>	13.30	
			<i>For >10 To 50, Deduct</i>	-0.35	
			<i>For >50 To 100, Deduct</i>	-0.79	
			<i>For >100, Deduct</i>	-1.58	
03 15 19 00-0039	EA		3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.48	
			<i>For Galvanized, Add</i>	2.35	
			<i>For Stainless Steel, Add</i>	16.42	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.90	
			<i>For >100, Deduct</i>	-1.79	
03 15 19 00-0040	EA		3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.28	
			<i>For Galvanized, Add</i>	2.69	
			<i>For Stainless Steel, Add</i>	18.83	
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-1.02	
			<i>For >100, Deduct</i>	-2.05	
03 15 19 00-0041	EA		3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	15.98	
			<i>For Galvanized, Add</i>	2.80	
			<i>For Stainless Steel, Add</i>	19.57	
			<i>For >10 To 50, Deduct</i>	-0.52	
			<i>For >50 To 100, Deduct</i>	-1.18	
			<i>For >100, Deduct</i>	-2.36	
03 15 19 00-0042	EA		3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.33	
			<i>For Galvanized, Add</i>	2.94	
			<i>For Stainless Steel, Add</i>	20.55	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.39	
			<i>For >100, Deduct</i>	-2.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	12.50	
For Galvanized, Add	2.36	
For Stainless Steel, Add	16.49	
For >10 To 50, Deduct	-0.39	
For >50 To 100, Deduct	-0.90	
For >100, Deduct	-1.79	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.39	
For Galvanized, Add	2.75	
For Stainless Steel, Add	19.22	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.03	
For >100, Deduct	-2.05	
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	16.68	
For Galvanized, Add	3.15	
For Stainless Steel, Add	22.02	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.39	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	19.00	
For Galvanized, Add	3.27	
For Stainless Steel, Add	22.89	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.45	
For Galvanized, Add	3.44	
For Stainless Steel, Add	24.05	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.46	
03 15 19 00-0048 1" And 1-1/8" Diameter (03 15 19 00-0036)		
03 15 19 00-0049 EA 1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	14.94	
For Galvanized, Add	3.02	
For Stainless Steel, Add	21.14	
For >10 To 50, Deduct	-0.45	
For >50 To 100, Deduct	-1.04	
For >100, Deduct	-2.08	
03 15 19 00-0050 EA 1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	17.19	
For Galvanized, Add	3.40	
For Stainless Steel, Add	23.80	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.42	
03 15 19 00-0051 EA 1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	20.06	
For Galvanized, Add	3.80	
For Stainless Steel, Add	26.60	
For >10 To 50, Deduct	-0.62	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.87	
03 15 19 00-0052 EA 1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.51	
For Galvanized, Add	3.98	
For Stainless Steel, Add	27.86	
For >10 To 50, Deduct	-0.68	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.11	
03 15 19 00-0053 EA 1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	23.91	
For Galvanized, Add	4.17	
For Stainless Steel, Add	29.16	
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-1.77	
For >100, Deduct	-3.53	
03 15 19 00-0054 EA 1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.97	
For Galvanized, Add	4.83	
For Stainless Steel, Add	33.81	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.97	
For >100, Deduct	-3.95	
03 15 19 00-0055 EA 1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.07	
For Galvanized, Add	5.65	
For Stainless Steel, Add	39.55	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-2.36	
For >100, Deduct	-4.72	
03 15 19 00-0056 EA 1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	18.34	
For Galvanized, Add	3.98	
For Stainless Steel, Add	27.83	
For >10 To 50, Deduct	-0.52	
For >50 To 100, Deduct	-1.24	
For >100, Deduct	-2.48	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	21.36	
			<i>For Galvanized, Add</i>	4.45	
			<i>For Stainless Steel, Add</i>	31.15	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.47	
			<i>For >100, Deduct</i>	-2.94	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.86	
			<i>For Galvanized, Add</i>	4.66	
			<i>For Stainless Steel, Add</i>	32.59	
			<i>For >10 To 50, Deduct</i>	-0.68	
			<i>For >50 To 100, Deduct</i>	-1.59	
			<i>For >100, Deduct</i>	-3.18	
03 15 19 00-0059			1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	22.07	
			<i>For Galvanized, Add</i>	4.81	
			<i>For Stainless Steel, Add</i>	33.64	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.49	
			<i>For >100, Deduct</i>	-2.97	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	26.83	
			<i>For Galvanized, Add</i>	5.63	
			<i>For Stainless Steel, Add</i>	39.38	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-1.84	
			<i>For >100, Deduct</i>	-3.68	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.14	
			<i>For Galvanized, Add</i>	6.37	
			<i>For Stainless Steel, Add</i>	44.59	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-1.96	
			<i>For >100, Deduct</i>	-3.92	
03 15 19 00-0063	EA		1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	31.70	
			<i>For Galvanized, Add</i>	7.20	
			<i>For Stainless Steel, Add</i>	50.37	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-2.09	
			<i>For >100, Deduct</i>	-4.18	
03 15 19 00-0064	EA		1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	35.12	
			<i>For Galvanized, Add</i>	7.83	
			<i>For Stainless Steel, Add</i>	54.78	
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100, Deduct</i>	-4.68	
03 15 19 00-0065	EA		1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	39.02	
			<i>For Galvanized, Add</i>	8.38	
			<i>For Stainless Steel, Add</i>	58.66	
			<i>For >10 To 50, Deduct</i>	-1.11	
			<i>For >50 To 100, Deduct</i>	-2.65	
			<i>For >100, Deduct</i>	-5.29	
03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	43.91	
			<i>For Galvanized, Add</i>	8.97	
			<i>For Stainless Steel, Add</i>	62.79	
			<i>For >10 To 50, Deduct</i>	-1.30	
			<i>For >50 To 100, Deduct</i>	-3.05	
			<i>For >100, Deduct</i>	-6.09	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	50.99	
			<i>For Galvanized, Add</i>	9.92	
			<i>For Stainless Steel, Add</i>	69.41	
			<i>For >10 To 50, Deduct</i>	-1.56	
			<i>For >50 To 100, Deduct</i>	-3.61	
			<i>For >100, Deduct</i>	-7.22	
03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	24.48	
			<i>For Galvanized, Add</i>	6.01	
			<i>For Stainless Steel, Add</i>	42.07	
			<i>For >10 To 50, Deduct</i>	-0.62	
			<i>For >50 To 100, Deduct</i>	-1.55	
			<i>For >100, Deduct</i>	-3.09	
03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	29.64	
			<i>For Galvanized, Add</i>	7.03	
			<i>For Stainless Steel, Add</i>	49.21	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-1.91	
			<i>For >100, Deduct</i>	-3.82	
03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	32.32	
			<i>For Galvanized, Add</i>	7.96	
			<i>For Stainless Steel, Add</i>	55.72	
			<i>For >10 To 50, Deduct</i>	-0.82	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100, Deduct</i>	-4.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	35.29	
				<i>For Galvanized, Add</i>	8.99	
				<i>For Stainless Steel, Add</i>	62.93	
				<i>For >10 To 50, Deduct</i>	-0.87	
				<i>For >50 To 100, Deduct</i>	-2.18	
				<i>For >100, Deduct</i>	-4.36	
	03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	39.03	
				<i>For Galvanized, Add</i>	9.78	
				<i>For Stainless Steel, Add</i>	68.46	
				<i>For >10 To 50, Deduct</i>	-0.97	
				<i>For >50 To 100, Deduct</i>	-2.44	
				<i>For >100, Deduct</i>	-4.87	
	03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.21	
				<i>For Galvanized, Add</i>	10.48	
				<i>For Stainless Steel, Add</i>	73.33	
				<i>For >10 To 50, Deduct</i>	-1.11	
				<i>For >50 To 100, Deduct</i>	-2.75	
				<i>For >100, Deduct</i>	-5.50	
	03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.57	
				<i>For Galvanized, Add</i>	11.30	
				<i>For Stainless Steel, Add</i>	79.10	
				<i>For >10 To 50, Deduct</i>	-1.30	
				<i>For >50 To 100, Deduct</i>	-3.16	
				<i>For >100, Deduct</i>	-6.32	
	03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	55.95	
				<i>For Galvanized, Add</i>	12.40	
				<i>For Stainless Steel, Add</i>	86.77	
				<i>For >10 To 50, Deduct</i>	-1.56	
				<i>For >50 To 100, Deduct</i>	-3.74	
				<i>For >100, Deduct</i>	-7.47	
	03 15 19 00-0076			1-1/2", 1-3/4", And 2" Diameter <small>(03 15 19 00-0036)</small>		
	03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	30.83	
				<i>For Galvanized, Add</i>	8.33	
				<i>For Stainless Steel, Add</i>	58.31	
				<i>For >10 To 50, Deduct</i>	-0.71	
				<i>For >50 To 100, Deduct</i>	-1.83	
				<i>For >100, Deduct</i>	-3.67	
	03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	33.87	
				<i>For Galvanized, Add</i>	8.74	
				<i>For Stainless Steel, Add</i>	61.15	
				<i>For >10 To 50, Deduct</i>	-0.82	
				<i>For >50 To 100, Deduct</i>	-2.08	
				<i>For >100, Deduct</i>	-4.15	
	03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	37.54	
				<i>For Galvanized, Add</i>	9.61	
				<i>For Stainless Steel, Add</i>	67.27	
				<i>For >10 To 50, Deduct</i>	-0.92	
				<i>For >50 To 100, Deduct</i>	-2.31	
				<i>For >100, Deduct</i>	-4.63	
	03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	40.47	
				<i>For Galvanized, Add</i>	10.50	
				<i>For Stainless Steel, Add</i>	73.50	
				<i>For >10 To 50, Deduct</i>	-0.97	
				<i>For >50 To 100, Deduct</i>	-2.47	
				<i>For >100, Deduct</i>	-4.94	
	03 15 19 00-0081	EA		1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	43.55	
				<i>For Galvanized, Add</i>	11.39	
				<i>For Stainless Steel, Add</i>	79.73	
				<i>For >10 To 50, Deduct</i>	-1.04	
				<i>For >50 To 100, Deduct</i>	-2.65	
				<i>For >100, Deduct</i>	-5.29	
	03 15 19 00-0082	EA		1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.47	
				<i>For Galvanized, Add</i>	12.25	
				<i>For Stainless Steel, Add</i>	85.75	
				<i>For >10 To 50, Deduct</i>	-1.20	
				<i>For >50 To 100, Deduct</i>	-3.01	
				<i>For >100, Deduct</i>	-6.02	
	03 15 19 00-0083	EA		1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	54.82	
				<i>For Galvanized, Add</i>	13.25	
				<i>For Stainless Steel, Add</i>	92.75	
				<i>For >10 To 50, Deduct</i>	-1.42	
				<i>For >50 To 100, Deduct</i>	-3.49	
				<i>For >100, Deduct</i>	-6.99	
	03 15 19 00-0084	EA		1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	64.02	
				<i>For Galvanized, Add</i>	14.70	
				<i>For Stainless Steel, Add</i>	102.87	
				<i>For >10 To 50, Deduct</i>	-1.73	
				<i>For >50 To 100, Deduct</i>	-4.20	
				<i>For >100, Deduct</i>	-8.40	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0085	EA		1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	40.64	
			<i>For Galvanized, Add</i>	12.53	
			<i>For Stainless Steel, Add</i>	87.71	
			<i>For >10 To 50, Deduct</i>	-0.78	
			<i>For >50 To 100, Deduct</i>	-2.18	
			<i>For >100, Deduct</i>	-4.37	
03 15 19 00-0086	EA		1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	42.92	
			<i>For Galvanized, Add</i>	12.81	
			<i>For Stainless Steel, Add</i>	89.64	
			<i>For >10 To 50, Deduct</i>	-0.87	
			<i>For >50 To 100, Deduct</i>	-2.37	
			<i>For >100, Deduct</i>	-4.74	
03 15 19 00-0087	EA		1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.34	
			<i>For Galvanized, Add</i>	13.01	
			<i>For Stainless Steel, Add</i>	91.07	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.48	
			<i>For >100, Deduct</i>	-4.97	
03 15 19 00-0088	EA		1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.52	
			<i>For Galvanized, Add</i>	15.03	
			<i>For Stainless Steel, Add</i>	105.18	
			<i>For >10 To 50, Deduct</i>	-0.97	
			<i>For >50 To 100, Deduct</i>	-2.70	
			<i>For >100, Deduct</i>	-5.40	
03 15 19 00-0089	EA		1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.95	
			<i>For Galvanized, Add</i>	17.35	
			<i>For Stainless Steel, Add</i>	121.42	
			<i>For >10 To 50, Deduct</i>	-1.11	
			<i>For >50 To 100, Deduct</i>	-3.09	
			<i>For >100, Deduct</i>	-6.19	
03 15 19 00-0090	EA		1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.12	
			<i>For Galvanized, Add</i>	17.58	
			<i>For Stainless Steel, Add</i>	123.03	
			<i>For >10 To 50, Deduct</i>	-1.30	
			<i>For >50 To 100, Deduct</i>	-3.48	
			<i>For >100, Deduct</i>	-6.95	
03 15 19 00-0091	EA		1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	69.11	
			<i>For Galvanized, Add</i>	18.98	
			<i>For Stainless Steel, Add</i>	132.83	
			<i>For >10 To 50, Deduct</i>	-1.56	
			<i>For >50 To 100, Deduct</i>	-4.06	
			<i>For >100, Deduct</i>	-8.13	
03 15 19 00-0092	EA		1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	79.82	
			<i>For Galvanized, Add</i>	20.44	
			<i>For Stainless Steel, Add</i>	143.08	
			<i>For >10 To 50, Deduct</i>	-1.95	
			<i>For >50 To 100, Deduct</i>	-4.92	
			<i>For >100, Deduct</i>	-9.83	
03 15 19 00-0093	EA		2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	56.47	
			<i>For Galvanized, Add</i>	19.08	
			<i>For Stainless Steel, Add</i>	133.53	
			<i>For >10 To 50, Deduct</i>	-0.92	
			<i>For >50 To 100, Deduct</i>	-2.79	
			<i>For >100, Deduct</i>	-5.57	
03 15 19 00-0094	EA		2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.01	
			<i>For Galvanized, Add</i>	20.62	
			<i>For Stainless Steel, Add</i>	144.34	
			<i>For >10 To 50, Deduct</i>	-1.04	
			<i>For >50 To 100, Deduct</i>	-3.11	
			<i>For >100, Deduct</i>	-6.22	
03 15 19 00-0095	EA		2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	68.93	
			<i>For Galvanized, Add</i>	22.48	
			<i>For Stainless Steel, Add</i>	157.36	
			<i>For >10 To 50, Deduct</i>	-1.20	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100, Deduct</i>	-7.04	
03 15 19 00-0096	EA		2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.93	
			<i>For Galvanized, Add</i>	23.81	
			<i>For Stainless Steel, Add</i>	166.64	
			<i>For >10 To 50, Deduct</i>	-1.42	
			<i>For >50 To 100, Deduct</i>	-4.02	
			<i>For >100, Deduct</i>	-8.04	
03 15 19 00-0097	EA		2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.32	
			<i>For Galvanized, Add</i>	25.58	
			<i>For Stainless Steel, Add</i>	179.06	
			<i>For >10 To 50, Deduct</i>	-1.56	
			<i>For >50 To 100, Deduct</i>	-4.40	
			<i>For >100, Deduct</i>	-8.79	
03 15 19 00-0098	EA		2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	89.26	
			<i>For Galvanized, Add</i>	27.32	
			<i>For Stainless Steel, Add</i>	191.21	
			<i>For >10 To 50, Deduct</i>	-1.73	
			<i>For >50 To 100, Deduct</i>	-4.83	
			<i>For >100, Deduct</i>	-9.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0099 EA 2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.18	
For Galvanized, Add	29.34	
For Stainless Steel, Add	205.35	
For >10 To 50, Deduct	-2.23	
For >50 To 100, Deduct	-5.92	
For >100, Deduct	-11.84	
03 15 19 00-0100 EA 2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	109.01	
For Galvanized, Add	32.25	
For Stainless Steel, Add	225.75	
For >10 To 50, Deduct	-2.23	
For >50 To 100, Deduct	-6.06	
For >100, Deduct	-12.13	
03 15 19 00-0101 EA 2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.63	
For Galvanized, Add	35.85	
For Stainless Steel, Add	250.95	
For >10 To 50, Deduct	-2.60	
For >50 To 100, Deduct	-6.99	
For >100, Deduct	-13.97	
03 15 19 00-0102 2-1/2" And 2-3/4" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0103 EA 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.08	
For Galvanized, Add	42.38	
For Stainless Steel, Add	296.66	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-3.95	
For >100, Deduct	-7.90	
03 15 19 00-0104 EA 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	109.37	
For Galvanized, Add	44.30	
For Stainless Steel, Add	310.10	
For >10 To 50, Deduct	-1.04	
For >50 To 100, Deduct	-4.29	
For >100, Deduct	-8.58	
03 15 19 00-0105 EA 2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.05	
For Galvanized, Add	48.04	
For Stainless Steel, Add	336.28	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-4.80	
For >100, Deduct	-9.60	
03 15 19 00-0106 EA 2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.58	
For Galvanized, Add	50.63	
For Stainless Steel, Add	354.41	
For >10 To 50, Deduct	-1.42	
For >50 To 100, Deduct	-5.36	
For >100, Deduct	-10.73	
03 15 19 00-0107 EA 2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	137.84	
For Galvanized, Add	53.34	
For Stainless Steel, Add	373.38	
For >10 To 50, Deduct	-1.56	
For >50 To 100, Deduct	-5.78	
For >100, Deduct	-11.57	
03 15 19 00-0108 EA 2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.39	
For Galvanized, Add	56.38	
For Stainless Steel, Add	394.66	
For >10 To 50, Deduct	-1.73	
For >50 To 100, Deduct	-6.28	
For >100, Deduct	-12.56	
03 15 19 00-0109 EA 2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	163.50	
For Galvanized, Add	59.50	
For Stainless Steel, Add	416.47	
For >10 To 50, Deduct	-2.23	
For >50 To 100, Deduct	-7.43	
For >100, Deduct	-14.85	
03 15 19 00-0110 EA 2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	115.42	
For Galvanized, Add	47.98	
For Stainless Steel, Add	335.83	
For >10 To 50, Deduct	-0.97	
For >50 To 100, Deduct	-4.35	
For >100, Deduct	-8.69	
03 15 19 00-0111 EA 2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	124.90	
For Galvanized, Add	51.32	
For Stainless Steel, Add	359.24	
For >10 To 50, Deduct	-1.11	
For >50 To 100, Deduct	-4.79	
For >100, Deduct	-9.58	
03 15 19 00-0112 EA 2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	135.36	
For Galvanized, Add	54.70	
For Stainless Steel, Add	382.87	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-5.33	
For >100, Deduct	-10.66	

03 Concrete**03 10 Concrete Forming And Accessories****03 15 Concrete Accessories**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	146.63	
		<i>For Galvanized, Add</i>	57.74	
		<i>For Stainless Steel, Add</i>	404.15	
		<i>For >10 To 50, Deduct</i>	-1.56	
		<i>For >50 To 100, Deduct</i>	-6.00	
		<i>For >100, Deduct</i>	-12.01	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	156.75	
		<i>For Galvanized, Add</i>	61.06	
		<i>For Stainless Steel, Add</i>	427.42	
		<i>For >10 To 50, Deduct</i>	-1.73	
		<i>For >50 To 100, Deduct</i>	-6.52	
		<i>For >100, Deduct</i>	-13.03	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	170.49	
		<i>For Galvanized, Add</i>	65.78	
		<i>For Stainless Steel, Add</i>	460.43	
		<i>For >10 To 50, Deduct</i>	-1.95	
		<i>For >50 To 100, Deduct</i>	-7.18	
		<i>For >100, Deduct</i>	-14.37	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	190.71	
		<i>For Galvanized, Add</i>	69.39	
		<i>For Stainless Steel, Add</i>	485.73	
		<i>For >10 To 50, Deduct</i>	-2.60	
		<i>For >50 To 100, Deduct</i>	-8.66	
		<i>For >100, Deduct</i>	-17.33	

03 20 Concrete Reinforcing ⁽⁰³⁾

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

03 21 Reinforcement Bars ^(03 20)

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

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

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

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.48
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.80
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.20
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.63
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.49
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.81
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.22
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.67
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.50
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.84
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.26
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.72
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.23
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.75
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.35
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.08
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.82
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.63
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	11.23
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	1.77
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.30
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	2.84
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.47
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.22
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.00
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.88
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	11.69
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.51
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.85
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.28
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.75
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.28
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.81
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.44
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.19
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.95
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.82
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	11.58

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

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

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.51
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	0.86
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	1.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0044	LF			#6, Grade 40, Columns, Steel Reinforcement Bar.....	1.73	
03 21 11 00-0045	LF			#3, Grade 50, Columns, Steel Reinforcement Bar.....	0.52	
03 21 11 00-0046	LF			#4, Grade 50, Columns, Steel Reinforcement Bar.....	0.87	
03 21 11 00-0047	LF			#5, Grade 50, Columns, Steel Reinforcement Bar.....	1.29	
03 21 11 00-0048	LF			#6, Grade 50, Columns, Steel Reinforcement Bar.....	1.77	
03 21 11 00-0049	LF			#3, Grade 60, Columns, Steel Reinforcement Bar.....	0.53	
03 21 11 00-0050	LF			#4, Grade 60, Columns, Steel Reinforcement Bar.....	0.90	
03 21 11 00-0051	LF			#5, Grade 60, Columns, Steel Reinforcement Bar.....	1.33	
03 21 11 00-0052	LF			#6, Grade 60, Columns, Steel Reinforcement Bar.....	1.82	
03 21 11 00-0053	LF			#7, Grade 60, Columns, Steel Reinforcement Bar.....	2.35	
03 21 11 00-0054	LF			#8, Grade 60, Columns, Steel Reinforcement Bar.....	2.89	
03 21 11 00-0055	LF			#9, Grade 60, Columns, Steel Reinforcement Bar.....	3.51	
03 21 11 00-0056	LF			#10, Grade 60, Columns, Steel Reinforcement Bar.....	4.26	
03 21 11 00-0057	LF			#11, Grade 60, Columns, Steel Reinforcement Bar.....	5.03	
03 21 11 00-0058	LF			#14, Grade 60, Columns, Steel Reinforcement Bar.....	6.91	
03 21 11 00-0059	LF			#18, Grade 60, Columns, Steel Reinforcement Bar.....	11.66	
03 21 11 00-0060	LF			#6, Grade 75, Columns, Steel Reinforcement Bar.....	1.87	
03 21 11 00-0061	LF			#7, Grade 75, Columns, Steel Reinforcement Bar.....	2.42	
03 21 11 00-0062	LF			#8, Grade 75, Columns, Steel Reinforcement Bar.....	2.98	
03 21 11 00-0063	LF			#9, Grade 75, Columns, Steel Reinforcement Bar.....	3.63	
03 21 11 00-0064	LF			#10, Grade 75, Columns, Steel Reinforcement Bar.....	4.40	
03 21 11 00-0065	LF			#11, Grade 75, Columns, Steel Reinforcement Bar.....	5.21	
03 21 11 00-0066	LF			#14, Grade 75, Columns, Steel Reinforcement Bar.....	7.16	
03 21 11 00-0067	LF			#18, Grade 75, Columns, Steel Reinforcement Bar.....	12.12	
03 21 11 00-0068	LF			#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.54	
03 21 11 00-0069	LF			#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	0.91	
03 21 11 00-0070	LF			#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.35	
03 21 11 00-0071	LF			#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	1.85	
03 21 11 00-0072	LF			#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.40	
03 21 11 00-0073	LF			#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	2.95	
03 21 11 00-0074	LF			#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	3.60	
03 21 11 00-0075	LF			#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	4.37	
03 21 11 00-0076	LF			#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	5.16	
03 21 11 00-0077	LF			#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	7.10	
03 21 11 00-0078	LF			#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	12.01	

03 21 11 00-0079

Footings, Steel Reinforcement Bar (03 21 11)

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

03 21 11 00-0080	LF			#3, Grade 40, Footings, Steel Reinforcement Bar.....	0.43	
03 21 11 00-0081	LF			#4, Grade 40, Footings, Steel Reinforcement Bar.....	0.73	
03 21 11 00-0082	LF			#5, Grade 40, Footings, Steel Reinforcement Bar.....	1.09	
03 21 11 00-0083	LF			#6, Grade 40, Footings, Steel Reinforcement Bar.....	1.49	
03 21 11 00-0084	LF			#3, Grade 50, Footings, Steel Reinforcement Bar.....	0.44	
03 21 11 00-0085	LF			#4, Grade 50, Footings, Steel Reinforcement Bar.....	0.74	
03 21 11 00-0086	LF			#5, Grade 50, Footings, Steel Reinforcement Bar.....	1.11	
03 21 11 00-0087	LF			#6, Grade 50, Footings, Steel Reinforcement Bar.....	1.53	
03 21 11 00-0088	LF			#3, Grade 60, Footings, Steel Reinforcement Bar.....	0.45	
03 21 11 00-0089	LF			#4, Grade 60, Footings, Steel Reinforcement Bar.....	0.77	
03 21 11 00-0090	LF			#5, Grade 60, Footings, Steel Reinforcement Bar.....	1.15	
03 21 11 00-0091	LF			#6, Grade 60, Footings, Steel Reinforcement Bar.....	1.58	
03 21 11 00-0092	LF			#7, Grade 60, Footings, Steel Reinforcement Bar.....	2.04	
03 21 11 00-0093	LF			#8, Grade 60, Footings, Steel Reinforcement Bar.....	2.55	
03 21 11 00-0094	LF			#9, Grade 60, Footings, Steel Reinforcement Bar.....	3.11	
03 21 11 00-0095	LF			#10, Grade 60, Footings, Steel Reinforcement Bar.....	3.79	
03 21 11 00-0096	LF			#11, Grade 60, Footings, Steel Reinforcement Bar.....	4.50	
03 21 11 00-0097	LF			#14, Grade 60, Footings, Steel Reinforcement Bar.....	6.22	
03 21 11 00-0098	LF			#18, Grade 60, Footings, Steel Reinforcement Bar.....	10.57	
03 21 11 00-0099	LF			#6, Grade 75, Footings, Steel Reinforcement Bar.....	1.63	
03 21 11 00-0100	LF			#7, Grade 75, Footings, Steel Reinforcement Bar.....	2.11	
03 21 11 00-0101	LF			#8, Grade 75, Footings, Steel Reinforcement Bar.....	2.64	
03 21 11 00-0102	LF			#9, Grade 75, Footings, Steel Reinforcement Bar.....	3.23	
03 21 11 00-0103	LF			#10, Grade 75, Footings, Steel Reinforcement Bar.....	3.93	
03 21 11 00-0104	LF			#11, Grade 75, Footings, Steel Reinforcement Bar.....	4.68	
03 21 11 00-0105	LF			#14, Grade 75, Footings, Steel Reinforcement Bar.....	6.47	
03 21 11 00-0106	LF			#18, Grade 75, Footings, Steel Reinforcement Bar.....	11.03	
03 21 11 00-0107	LF			#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.46	
03 21 11 00-0108	LF			#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	0.78	
03 21 11 00-0109	LF			#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.17	
03 21 11 00-0110	LF			#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	1.61	
03 21 11 00-0111	LF			#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.09	
03 21 11 00-0112	LF			#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	2.61	
03 21 11 00-0113	LF			#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.20	
03 21 11 00-0114	LF			#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	3.90	
03 21 11 00-0115	LF			#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	4.63	
03 21 11 00-0116	LF			#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	6.41	
03 21 11 00-0117	LF			#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar.....	10.92	

03 21 11 00-0118

Slab On Grade, Steel Reinforcement Bar (03 21 11)

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



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.42
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.71
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.05
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.44
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.43
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.72
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.07
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.48
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.44
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.75
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.11
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.53
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.98
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.46
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.03
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.69
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.40
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	6.07
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	10.34
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	1.58
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.05
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.55
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.15
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.83
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.58
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.32
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	10.80
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.45
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.76
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.13
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.56
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.03
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.52
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.12
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.80
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.53
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.26
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	10.69

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar^(0321 11)

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

03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.39
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.65
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.98
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.34
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.40
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.66
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.00
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.38
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.41
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.69
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.04
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.43
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.86
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.32
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.86
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.51
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.18
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.80
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	9.91
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.48
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	1.93
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.41
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.98
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.65
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.36
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	6.05
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	10.37
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.42
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.70
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.06
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.46
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.91
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.38
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.95
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.62
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.31
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.99
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	10.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 11 00-0196			Walls, Steel Reinforcement Bar <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF		#3, Grade 40, Walls, Steel Reinforcement Bar	0.37	
03 21 11 00-0198	LF		#4, Grade 40, Walls, Steel Reinforcement Bar	0.63	
03 21 11 00-0199	LF		#5, Grade 40, Walls, Steel Reinforcement Bar	0.94	
03 21 11 00-0200	LF		#6, Grade 40, Walls, Steel Reinforcement Bar	1.29	
03 21 11 00-0201	LF		#3, Grade 50, Walls, Steel Reinforcement Bar	0.38	
03 21 11 00-0202	LF		#4, Grade 50, Walls, Steel Reinforcement Bar	0.64	
03 21 11 00-0203	LF		#5, Grade 50, Walls, Steel Reinforcement Bar	0.96	
03 21 11 00-0204	LF		#6, Grade 50, Walls, Steel Reinforcement Bar	1.33	
03 21 11 00-0205	LF		#3, Grade 60, Walls, Steel Reinforcement Bar	0.39	
03 21 11 00-0206	LF		#4, Grade 60, Walls, Steel Reinforcement Bar	0.67	
03 21 11 00-0207	LF		#5, Grade 60, Walls, Steel Reinforcement Bar	1.00	
03 21 11 00-0208	LF		#6, Grade 60, Walls, Steel Reinforcement Bar	1.38	
03 21 11 00-0209	LF		#7, Grade 60, Walls, Steel Reinforcement Bar	1.80	
03 21 11 00-0210	LF		#8, Grade 60, Walls, Steel Reinforcement Bar	2.25	
03 21 11 00-0211	LF		#9, Grade 60, Walls, Steel Reinforcement Bar	2.78	
03 21 11 00-0212	LF		#10, Grade 60, Walls, Steel Reinforcement Bar	3.41	
03 21 11 00-0213	LF		#11, Grade 60, Walls, Steel Reinforcement Bar	4.08	
03 21 11 00-0214	LF		#14, Grade 60, Walls, Steel Reinforcement Bar	5.66	
03 21 11 00-0215	LF		#18, Grade 60, Walls, Steel Reinforcement Bar	9.70	
03 21 11 00-0216	LF		#6, Grade 75, Walls, Steel Reinforcement Bar	1.43	
03 21 11 00-0217	LF		#7, Grade 75, Walls, Steel Reinforcement Bar	1.87	
03 21 11 00-0218	LF		#8, Grade 75, Walls, Steel Reinforcement Bar	2.34	
03 21 11 00-0219	LF		#9, Grade 75, Walls, Steel Reinforcement Bar	2.90	
03 21 11 00-0220	LF		#10, Grade 75, Walls, Steel Reinforcement Bar	3.55	
03 21 11 00-0221	LF		#11, Grade 75, Walls, Steel Reinforcement Bar	4.26	
03 21 11 00-0222	LF		#14, Grade 75, Walls, Steel Reinforcement Bar	5.91	
03 21 11 00-0223	LF		#18, Grade 75, Walls, Steel Reinforcement Bar	10.16	
03 21 11 00-0224	LF		#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.40	
03 21 11 00-0225	LF		#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.68	
03 21 11 00-0226	LF		#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.02	
03 21 11 00-0227	LF		#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.41	
03 21 11 00-0228	LF		#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.85	
03 21 11 00-0229	LF		#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.31	
03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.87	
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.52	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.21	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.85	
03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	10.05	

03 21 11 00-0235			Mechanical Joint Connection <small>(03 21 11)</small>		
03 21 11 00-0236			Thermal Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice	151.87	

03 21 11 00-0238			Screwed Type Mechanical Joint Connection <small>(03 21 11 00-0235)</small>		
03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice	83.85	

03 21 11 00-0240			Deformed Straight Dowels <small>(03 21 11)</small>		
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel	1.95	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	1.86	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	1.79	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.14	
			<i>For >12" To <24" Length, Deduct</i>	-0.12	
			<i>For Up To 12" Length, Deduct</i>	-0.23	
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel	2.33	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.12	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.04	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.44	
			<i>For >12" To <24" Length, Deduct</i>	-0.15	
			<i>For Up To 12" Length, Deduct</i>	-0.30	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel	2.85	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.23	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.14	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.56	
			<i>For >12" To <24" Length, Deduct</i>	-0.24	
			<i>For Up To 12" Length, Deduct</i>	-0.48	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel	3.48	
			<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.34	
			<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.26	
			<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.69	
			<i>For >12" To <24" Length, Deduct</i>	-0.35	
			<i>For Up To 12" Length, Deduct</i>	-0.70	

03	Concrete
03 20	Concrete Reinforcing
03 21	Reinforcement Bars



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel .....4.11 <i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i> 2.28 <i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i> 2.19 <i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i> 2.62 <i>For >12" To <24" Length, Deduct</i> -0.48 <i>For Up To 12" Length, Deduct</i> -0.97		
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel .....5.18 <i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i> 2.78 <i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i> 2.68 <i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i> 3.20 <i>For >12" To <24" Length, Deduct</i> -0.62 <i>For Up To 12" Length, Deduct</i> -1.24		
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel .....6.13 <i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i> 3.07 <i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i> 2.96 <i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i> 3.53 <i>For >12" To <24" Length, Deduct</i> -0.77 <i>For Up To 12" Length, Deduct</i> -1.53		
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel .....7.51 <i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i> 3.34 <i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i> 3.22 <i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i> 3.85 <i>For >12" To <24" Length, Deduct</i> -1.00 <i>For Up To 12" Length, Deduct</i> -2.00		
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel .....8.92 <i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i> 3.64 <i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i> 3.51 <i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i> 4.19 <i>For >12" To <24" Length, Deduct</i> -1.24 <i>For Up To 12" Length, Deduct</i> -2.47		
03 21 11 00-0250			Spirals, Reinforcing Steel (03 21 11)		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,478.32 <i>For Grade 75, Add</i> 161.98		
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,446.67 <i>For Grade 75, Add</i> 161.98		
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,446.67 <i>For Grade 75, Add</i> 161.98		
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,383.06 <i>For Grade 75, Add</i> 161.98		
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,329.68 <i>For Grade 75, Add</i> 161.98		
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,330.00 <i>For Grade 75, Add</i> 165.96		
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel .....3,285.31 <i>For Grade 75, Add</i> 165.96		
03 21 11 00-0258			Accessories For Reinforcing Steel (03 21 11)		
03 21 11 00-0259			Reinforcing Steel Weld Splice (03 21 11 00-0258)		
03 21 11 00-0260	EA		Up To #6 Reinforcing Steel Weld Splice .....31.75		
03 21 11 00-0261	EA		>#6 Reinforcing Steel Weld Splice .....45.95		
03 21 11 00-0262			Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)		
03 21 11 00-0263	EA		Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint .....23.46		
03 21 11 00-0264	EA		#5 Reinforcing Steel, Sleeve And Wedge Splice Joint .....34.08		
03 21 11 00-0265	EA		#6 Reinforcing Steel, Sleeve And Wedge Splice Joint .....48.98		
03 21 13			Galvanized Reinforcement Steel Bars (03 21)		
03 21 13 00-0001			Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13) Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002	LF		#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.56		
03 21 13 00-0003	LF		#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.95		
03 21 13 00-0004	LF		#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.44		
03 21 13 00-0005	LF		#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.98		
03 21 13 00-0006	LF		#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.57		
03 21 13 00-0007	LF		#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.97		
03 21 13 00-0008	LF		#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.46		
03 21 13 00-0009	LF		#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....2.01		
03 21 13 00-0010	LF		#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.59		
03 21 13 00-0011	LF		#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....0.99		
03 21 13 00-0012	LF		#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....1.49		
03 21 13 00-0013	LF		#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....2.06		
03 21 13 00-0014	LF		#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....2.70		
03 21 13 00-0015	LF		#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....3.36		
03 21 13 00-0016	LF		#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....4.13		
03 21 13 00-0017	LF		#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....5.06		
03 21 13 00-0018	LF		#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....6.04		
03 21 13 00-0019	LF		#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....8.38		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0020 LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	14.35	
03 21 13 00-0021 LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.11	
03 21 13 00-0022 LF #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	2.77	
03 21 13 00-0023 LF #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	3.45	
03 21 13 00-0024 LF #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.25	
03 21 13 00-0025 LF #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.21	
03 21 13 00-0026 LF #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.21	
03 21 13 00-0027 LF #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.63	
03 21 13 00-0028 LF #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	14.81	
03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
<i>Note: ASTM A-767 Hot Dipped Galvanized Steel.</i>		
03 21 13 00-0030 LF #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	0.59	
03 21 13 00-0031 LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.01	
03 21 13 00-0032 LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.51	
03 21 13 00-0033 LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.08	
03 21 13 00-0034 LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	0.60	
03 21 13 00-0035 LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.03	
03 21 13 00-0036 LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.53	
03 21 13 00-0037 LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.11	
03 21 13 00-0038 LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	0.62	
03 21 13 00-0039 LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.05	
03 21 13 00-0040 LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.56	
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.16	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.82	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	3.50	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.29	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.24	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.25	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.66	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	14.78	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.21	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	2.89	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	3.59	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.41	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.39	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.42	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.91	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	15.24	
03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
<i>Note: ASTM A-767 Hot Dipped Galvanized Steel.</i>		
03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.88	
03 21 13 00-0060 LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.33	
03 21 13 00-0061 LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.84	
03 21 13 00-0062 LF #3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.52	
03 21 13 00-0063 LF #4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.90	
03 21 13 00-0064 LF #5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.35	
03 21 13 00-0065 LF #6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.87	
03 21 13 00-0066 LF #3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.54	
03 21 13 00-0067 LF #4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.92	
03 21 13 00-0068 LF #5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.38	
03 21 13 00-0069 LF #6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.92	
03 21 13 00-0070 LF #7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.51	
03 21 13 00-0071 LF #8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.16	
03 21 13 00-0072 LF #9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.89	
03 21 13 00-0073 LF #10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.77	
03 21 13 00-0074 LF #11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.72	
03 21 13 00-0075 LF #14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.97	
03 21 13 00-0076 LF #18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	13.69	
03 21 13 00-0077 LF #6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	1.97	
03 21 13 00-0078 LF #7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.58	
03 21 13 00-0079 LF #8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.25	
03 21 13 00-0080 LF #9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.01	
03 21 13 00-0081 LF #10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.92	
03 21 13 00-0082 LF #11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.89	
03 21 13 00-0083 LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.22	
03 21 13 00-0084 LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	14.15	
03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small>		
<i>Note: ASTM A-767 Hot Dipped Galvanized Steel.</i>		
03 21 13 00-0086 LF #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.50	
03 21 13 00-0087 LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.86	
03 21 13 00-0088 LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.29	
03 21 13 00-0089 LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.79	
03 21 13 00-0090 LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.51	
03 21 13 00-0091 LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.88	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.31
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.82
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.53
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.90
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.34
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.87
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.45
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.07
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.81
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.67
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.62
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.82
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	13.46
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	1.92
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.52
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.16
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.93
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.82
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.79
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.07
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	13.92

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.47
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.80
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.22
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.69
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.48
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.82
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.24
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.72
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.50
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.84
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.27
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.77
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.33
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.93
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.64
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.49
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.40
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.55
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.03
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.82
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.40
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.02
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.76
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.64
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	5.57
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.80
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	13.49

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

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.45
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.78
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.18
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.64
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.46
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.80
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.20
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.67
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.48
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.82
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.23
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.72
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.27
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.86
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.56
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.39
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.30
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.41
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	12.82
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	1.77
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.34
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.95
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.68
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.54
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.66	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	13.28	

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

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.94	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.41	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.94	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.56	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.95	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.43	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.97	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.58	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	0.97	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.47	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.02	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.65	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.29	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.05	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.96	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.90	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.19	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.01	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.07	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.72	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.38	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	4.16	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.10	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.08	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.44	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	14.47	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.00	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.48	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.04	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	0.59	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.01	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.50	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.07	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	0.61	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.03	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.54	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.12	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.77	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.43	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	4.21	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.14	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.11	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.47	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	14.44	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.17	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	2.84	
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	3.52	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.32	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.28	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.29	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.72	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	14.90	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar (03 21 16)

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.87	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.30	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.80	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.51	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.88	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.32	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.83	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.53	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.90	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.36	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.88	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.46
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.09
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.81
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.67
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.58
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.78
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	13.35
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.93
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.53
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.18
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.92
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.81
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.76
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	8.03
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	13.81

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.50
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.85
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.26
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.75
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.50
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.86
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.28
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.78
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.52
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.88
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.32
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.83
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.40
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.00
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.73
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.57
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.48
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.63
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	13.12
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.88
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.47
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.09
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.84
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.71
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.66
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	7.88
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	13.58

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

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.47
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.79
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.19
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.65
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.47
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.80
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.21
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.68
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.49
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.82
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.25
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.73
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.28
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.86
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.56
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.39
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.26
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.36
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	12.69
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.78
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.35
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.95
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.67
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.53
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.44
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.61
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	13.15

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

Note: ASTM A-775 Epoxy Coated Steel.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	16 00-0142	LF		#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.45	
03 21	16 00-0143	LF		#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.77	
03 21	16 00-0144	LF		#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.15	
03 21	16 00-0145	LF		#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.60	
03 21	16 00-0146	LF		#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.45	
03 21	16 00-0147	LF		#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.78	
03 21	16 00-0148	LF		#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.17	
03 21	16 00-0149	LF		#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.63	
03 21	16 00-0150	LF		#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.47	
03 21	16 00-0151	LF		#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.80	
03 21	16 00-0152	LF		#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.21	
03 21	16 00-0153	LF		#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.68	
03 21	16 00-0154	LF		#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.22	
03 21	16 00-0155	LF		#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.79	
03 21	16 00-0156	LF		#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.48	
03 21	16 00-0157	LF		#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.29	
03 21	16 00-0158	LF		#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.16	
03 21	16 00-0159	LF		#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.22	
03 21	16 00-0160	LF		#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	12.48	
03 21	16 00-0161	LF		#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.73	
03 21	16 00-0162	LF		#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.29	
03 21	16 00-0163	LF		#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.88	
03 21	16 00-0164	LF		#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.59	
03 21	16 00-0165	LF		#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.43	
03 21	16 00-0166	LF		#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.34	
03 21	16 00-0167	LF		#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.47	
03 21	16 00-0168	LF		#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	12.94	

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

03 21	16 00-0170	EA		3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.30	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.02	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	1.94	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.32	
				<i>For >12" To <24" Length, Deduct</i>	-0.16	
				<i>For Up To 12" Length, Deduct</i>	-0.32	
03 21	16 00-0171	EA		1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	2.80	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.12	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.04	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.44	
				<i>For >12" To <24" Length, Deduct</i>	-0.25	
				<i>For Up To 12" Length, Deduct</i>	-0.49	
03 21	16 00-0172	EA		5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	3.48	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.23	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.14	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.56	
				<i>For >12" To <24" Length, Deduct</i>	-0.37	
				<i>For Up To 12" Length, Deduct</i>	-0.73	
03 21	16 00-0173	EA		3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.17	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.34	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.26	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.69	
				<i>For >12" To <24" Length, Deduct</i>	-0.49	
				<i>For Up To 12" Length, Deduct</i>	-0.97	
03 21	16 00-0174	EA		7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.21	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.55	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.46	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	2.93	
				<i>For >12" To <24" Length, Deduct</i>	-0.66	
				<i>For Up To 12" Length, Deduct</i>	-1.32	
03 21	16 00-0175	EA		1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.16	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	2.78	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	2.68	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.20	
				<i>For >12" To <24" Length, Deduct</i>	-0.82	
				<i>For Up To 12" Length, Deduct</i>	-1.63	
03 21	16 00-0176	EA		1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	7.35	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.21	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.09	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	3.70	
				<i>For >12" To <24" Length, Deduct</i>	-0.99	
				<i>For Up To 12" Length, Deduct</i>	-1.98	
03 21	16 00-0177	EA		1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.83	
				<i>For Drilling Hole Into Concrete, Horizontal, Add Per Inch Of Depth</i>	3.79	
				<i>For Drilling Hole Into Concrete, Vertical, Add Per Inch Of Depth</i>	3.64	
				<i>For Drilling Hole Into Concrete, Inverted Overhead, Add Per Inch Of Depth</i>	4.36	
				<i>For >12" To <24" Length, Deduct</i>	-1.20	
				<i>For Up To 12" Length, Deduct</i>	-2.39	

03 22 Fabric And Grid Reinforcing (03 20)

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

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

03	Concrete
03 20	Concrete Reinforcing
03 22	Fabric And Grid Reinforcing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 22 11 00-0001	Welded Wire Fabric Placed In Floors Or Slabs Under 5 Tons <small>(03 22 11)</small>	
	Note: Includes bar chairs. Under 5 tons. ASTM A-185	
03 22 11 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.62
	<i>For >5 Ton, Deduct</i>	-0.09
03 22 11 00-0003	SF 6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.71
	<i>For >5 Ton, Deduct</i>	-0.11
03 22 11 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.80
	<i>For >5 Ton, Deduct</i>	-0.12
03 22 11 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	0.94
	<i>For >5 Ton, Deduct</i>	-0.14
03 22 11 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.74
	<i>For >5 Ton, Deduct</i>	-0.11
03 22 11 00-0007	SF 4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.83
	<i>For >5 Ton, Deduct</i>	-0.12
03 22 11 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.04
	<i>For >5 Ton, Deduct</i>	-0.15
03 22 11 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.20
	<i>For >5 Ton, Deduct</i>	-0.16
03 22 11 00-0010	SF 2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	1.12
	<i>For >5 Ton, Deduct</i>	-0.15

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

03 22 13 00-0001	Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 13)</small>	
	Note: Includes bar chairs. Under 5 tons.	
03 22 13 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.69
	<i>For >5 Ton, Deduct</i>	-0.10
03 22 13 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.79
	<i>For >5 Ton, Deduct</i>	-0.12
03 22 13 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.90
	<i>For >5 Ton, Deduct</i>	-0.13
03 22 13 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.08
	<i>For >5 Ton, Deduct</i>	-0.15
03 22 13 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.83
	<i>For >5 Ton, Deduct</i>	-0.12
03 22 13 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.94
	<i>For >5 Ton, Deduct</i>	-0.13
03 22 13 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.22
	<i>For >5 Ton, Deduct</i>	-0.16
03 22 13 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.43
	<i>For >5 Ton, Deduct</i>	-0.19

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

	Note: Includes bar chairs. Under 5 tons.	
03 22 13 00-0011	SF 2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	2.44
	<i>For >5 Ton, Deduct</i>	-0.38

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

03 22 16 00-0001	Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <small>(03 22 16)</small>	
	Note: Includes bar chairs. Under 5 tons.	
03 22 16 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.68
	<i>For >5 Ton, Deduct</i>	-0.10
03 22 16 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.78
	<i>For >5 Ton, Deduct</i>	-0.11
03 22 16 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	0.89
	<i>For >5 Ton, Deduct</i>	-0.13
03 22 16 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.07
	<i>For >5 Ton, Deduct</i>	-0.15
03 22 16 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	0.82
	<i>For >5 Ton, Deduct</i>	-0.12
03 22 16 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	0.93
	<i>For >5 Ton, Deduct</i>	-0.13
03 22 16 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.20
	<i>For >5 Ton, Deduct</i>	-0.16
03 22 16 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	1.40
	<i>For >5 Ton, Deduct</i>	-0.18

03 30 Cast-In-Place Concrete (03)

See CSI section 01 74 19 00-0050 for hauling over 15 miles.

03 31 Structural Concrete (03 30)

03 31 13 Heavyweight Structural Concrete (03 31)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

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

03 31 13 00-0001	Concrete Assemblies <small>(03 31 13)</small>	
03 31 13 00-0002	3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small>	
	Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing. See CSI section 03 05 00 00-0001 for color additive alternative.	
03 31 13 00-0003	SF 4" 3,000 PSI Slab On Grade Concrete Slabs Assembly	5.91
	For 2,000 PSI Concrete, Deduct	-0.16
	For 2,500 PSI Concrete, Deduct	-0.08
	For 3,500 PSI Concrete, Add	0.06
	For 4,000 PSI Concrete, Add	0.18
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.37
	For >500 To 1,000, Add	1.63
	For >1,000 To 2,000, Add	0.89
	For >2,000 To 5,000, Add	0.44
	For >10,000 To 20,000, Deduct	-0.15
	For >20,000 To 35,000, Deduct	-0.29
	For >35,000 To 50,000, Deduct	-0.44
	For >50,000 To 70,000, Deduct	-0.59
	For >70,000, Deduct	-0.74
03 31 13 00-0004	SF 5" 3,000 PSI Slab On Grade Concrete Slabs Assembly	6.45
	For 2,000 PSI Concrete, Deduct	-0.18
	For 2,500 PSI Concrete, Deduct	-0.09
	For 3,500 PSI Concrete, Add	0.06
	For 4,000 PSI Concrete, Add	0.21
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.54
	For >500 To 1,000, Add	1.75
	For >1,000 To 2,000, Add	0.96
	For >2,000 To 5,000, Add	0.48
	For >10,000 To 20,000, Deduct	-0.17
	For >20,000 To 35,000, Deduct	-0.33
	For >35,000 To 50,000, Deduct	-0.49
	For >50,000 To 70,000, Deduct	-0.65
	For >70,000, Deduct	-0.81
03 31 13 00-0005	SF 6" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.22
	For 2,000 PSI Concrete, Deduct	-0.21
	For 2,500 PSI Concrete, Deduct	-0.11
	For 3,500 PSI Concrete, Add	0.07
	For 4,000 PSI Concrete, Add	0.25
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.78
	For >500 To 1,000, Add	1.92
	For >1,000 To 2,000, Add	1.06
	For >2,000 To 5,000, Add	0.53
	For >10,000 To 20,000, Deduct	-0.19
	For >20,000 To 35,000, Deduct	-0.38
	For >35,000 To 50,000, Deduct	-0.56
	For >50,000 To 70,000, Deduct	-0.74
	For >70,000, Deduct	-0.92
03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slabs Assembly	7.95
	For 2,000 PSI Concrete, Deduct	-0.24
	For 2,500 PSI Concrete, Deduct	-0.12
	For 3,500 PSI Concrete, Add	0.09
	For 4,000 PSI Concrete, Add	0.28
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.13
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.40
	For Up To 500, Add	2.98
	For >500 To 1,000, Add	2.06
	For >1,000 To 2,000, Add	1.14
	For >2,000 To 5,000, Add	0.57
	For >10,000 To 20,000, Deduct	-0.22
	For >20,000 To 35,000, Deduct	-0.42
	For >35,000 To 50,000, Deduct	-0.62
	For >50,000 To 70,000, Deduct	-0.82
	For >70,000, Deduct	-1.02

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slabs Assembly	8.56	
			For 2,000 PSI Concrete, Deduct	-0.27	
			For 2,500 PSI Concrete, Deduct	-0.13	
			For 3,500 PSI Concrete, Add	0.09	
			For 4,000 PSI Concrete, Add	0.31	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.15	
			For >500 To 1,000, Add	2.18	
			For >1,000 To 2,000, Add	1.22	
			For >2,000 To 5,000, Add	0.61	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000 To 35,000, Deduct	-0.46	
			For >35,000 To 50,000, Deduct	-0.68	
			For >50,000 To 70,000, Deduct	-0.89	
			For >70,000, Deduct	-1.10	
03 31	13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slabs Assembly	10.14	
			For 2,000 PSI Concrete, Deduct	-0.34	
			For 2,500 PSI Concrete, Deduct	-0.17	
			For 3,500 PSI Concrete, Add	0.12	
			For 4,000 PSI Concrete, Add	0.39	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.58	
			For >500 To 1,000, Add	2.49	
			For >1,000 To 2,000, Add	1.40	
			For >2,000 To 5,000, Add	0.70	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000 To 35,000, Deduct	-0.57	
			For >35,000 To 50,000, Deduct	-0.82	
			For >50,000 To 70,000, Deduct	-1.07	
			For >70,000, Deduct	-1.33	
03 31	13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slabs Assembly	11.37	
			For 2,000 PSI Concrete, Deduct	-0.39	
			For 2,500 PSI Concrete, Deduct	-0.19	
			For 3,500 PSI Concrete, Add	0.14	
			For 4,000 PSI Concrete, Add	0.45	
			For Reinforcing Rods Are At 18" On Center, Deduct	-0.13	
			For Reinforcing Rods Are At 24" On Center, Deduct	-0.40	
			For Up To 500, Add	3.93	
			For >500 To 1,000, Add	2.74	
			For >1,000 To 2,000, Add	1.55	
			For >2,000 To 5,000, Add	0.78	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000 To 35,000, Deduct	-0.65	
			For >35,000 To 50,000, Deduct	-0.93	
			For >50,000 To 70,000, Deduct	-1.21	
			For >70,000, Deduct	-1.50	
03 31	13 00-0010		Concrete Delivery And Placement <small>(03 31 13)</small>		
			Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 00 00-0001 for admixtures.		
03 31	13 00-0011		Place Concrete By Method Indicated <small>(03 31 13 00-0010)</small>		
			Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 31 13 00-0088 for concrete pumping equipment.		
03 31	13 00-0012		Place Concrete Pile Caps <small>(03 31 13 00-0011)</small>		
03 31	13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	214.13	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For 7,500 PSI Concrete, Add	80.96	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	37.35	
			For >20 To 50, Add	14.01	
			For >100 To 200, Deduct	-4.28	
			For >200 To 400, Deduct	-8.57	
			For >400, Deduct	-12.85	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps	164.06	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	17.32	
For >20 To 50, Add	6.50	
For >100 To 200, Deduct	-3.28	
For >200 To 400, Deduct	-6.56	
For >400, Deduct	-9.84	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps	172.07	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	16.50	
For >20 To 50, Add	6.19	
For >100 To 200, Deduct	-3.44	
For >200 To 400, Deduct	-6.88	
For >400, Deduct	-10.32	
03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings.....	203.76	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	33.20	
For >20 To 50, Add	12.45	
For >100 To 200, Deduct	-4.08	
For >200 To 400, Deduct	-8.15	
For >400, Deduct	-12.23	
03 31 13 00-0018 CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	159.25	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	15.40	
For >20 To 50, Add	5.78	
For >100 To 200, Deduct	-3.19	
For >200 To 400, Deduct	-6.37	
For >400, Deduct	-9.56	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0019	CY		Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	167.48	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.06	
			For 2,500 PSI Concrete, Deduct	-3.53	
			For 3,500 PSI Concrete, Add	6.54	
			For 3,750 PSI Concrete, Add	8.90	
			For 4,000 PSI Concrete, Add	11.25	
			For 4,500 PSI Concrete, Add	13.08	
			For 5,000 PSI Concrete, Add	14.91	
			For 6,000 PSI Concrete, Add	35.32	
			For 7,500 PSI Concrete, Add	87.71	
			For White Cement Concrete, Add	15.70	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
			For High Early Strength, Type 3 ASTM C150, Add	13.08	
			For Lightweight Aggregate, ASTM C330, Add	39.24	
			For Up To 20, Add	14.67	
			For >20 To 50, Add	5.50	
			For >100 To 200, Deduct	-3.35	
			For >200 To 400, Deduct	-6.70	
			For >400, Deduct	-10.05	

03 31 13 00-0020 Place Concrete Spread Footings (03 31 13 00-0011)

03 31 13 00-0021	CY		Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	260.82	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For 7,500 PSI Concrete, Add	80.96	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	56.03	
			For >20 To 50, Add	21.01	
			For >100 To 200, Deduct	-5.22	
			For >200 To 400, Deduct	-10.43	
			For >400, Deduct	-15.65	
03 31 13 00-0022	CY		Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	185.73	
			For 2,000 PSI Concrete, Deduct	-6.52	
			For 2,500 PSI Concrete, Deduct	-3.26	
			For 3,500 PSI Concrete, Add	6.04	
			For 3,750 PSI Concrete, Add	8.21	
			For 4,000 PSI Concrete, Add	10.38	
			For 4,500 PSI Concrete, Add	12.08	
			For 5,000 PSI Concrete, Add	13.77	
			For 6,000 PSI Concrete, Add	32.60	
			For 7,500 PSI Concrete, Add	80.96	
			For White Cement Concrete, Add	14.49	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
			For High Early Strength, Type 3 ASTM C150, Add	12.08	
			For Lightweight Aggregate, ASTM C330, Add	36.23	
			For Up To 20, Add	25.99	
			For >20 To 50, Add	9.75	
			For >100 To 200, Deduct	-3.71	
			For >200 To 400, Deduct	-7.43	
			For >400, Deduct	-11.14	
03 31 13 00-0023	CY		Concrete Pump, Place 3,000 PSI Concrete Spread Footings.....	192.70	
			Note: Excludes pumping equipment.		
			For 2,000 PSI Concrete, Deduct	-7.06	
			For 2,500 PSI Concrete, Deduct	-3.53	
			For 3,500 PSI Concrete, Add	6.54	
			For 3,750 PSI Concrete, Add	8.90	
			For 4,000 PSI Concrete, Add	11.25	
			For 4,500 PSI Concrete, Add	13.08	
			For 5,000 PSI Concrete, Add	14.91	
			For 6,000 PSI Concrete, Add	35.32	
			For 7,500 PSI Concrete, Add	87.71	
			For White Cement Concrete, Add	15.70	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
			For High Early Strength, Type 3 ASTM C150, Add	13.08	
			For Lightweight Aggregate, ASTM C330, Add	39.24	
			For Up To 20, Add	24.76	
			For >20 To 50, Add	9.28	
			For >100 To 200, Deduct	-3.85	
			For >200 To 400, Deduct	-7.71	
			For >400, Deduct	-11.56	

03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....	145.66	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	9.96	
For >20 To 50, Add	3.74	
For >100 To 200, Deduct	-2.91	
For >200 To 400, Deduct	-5.83	
For >400, Deduct	-8.74	
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	132.30	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	4.62	
For >20 To 50, Add	1.73	
For >100 To 200, Deduct	-2.65	
For >200 To 400, Deduct	-5.29	
For >400, Deduct	-7.94	
03 31 13 00-0027 CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	140.44	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	3.85	
For >20 To 50, Add	1.44	
For >100 To 200, Deduct	-2.81	
For >200 To 400, Deduct	-5.62	
For >400, Deduct	-8.43	
03 31 13 00-0028 Place Concrete Grade Beams (03 31 13 00-0011)		
03 31 13 00-0029 CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	187.15	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	26.56	
For >20 To 50, Add	9.96	
For >100 To 200, Deduct	-3.74	
For >200 To 400, Deduct	-7.49	
For >400, Deduct	-11.23	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	151.55
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	12.32
	<i>For >20 To 50, Add</i>	4.62
	<i>For >100 To 200, Deduct</i>	-3.03
	<i>For >200 To 400, Deduct</i>	-6.06
	<i>For >400, Deduct</i>	-9.09
03 31 13 00-0031	CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	160.15
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For 7,500 PSI Concrete, Add</i>	87.71
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	11.74
	<i>For >20 To 50, Add</i>	4.40
	<i>For >100 To 200, Deduct</i>	-3.20
	<i>For >200 To 400, Deduct</i>	-6.41
	<i>For >400, Deduct</i>	-9.61
03 31 13 00-0032	Place Concrete Slab On Grade <small>(03 31 13 00-0011)</small>	
03 31 13 00-0033	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	188.71
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	27.18
	<i>For >20 To 50, Add</i>	10.19
	<i>For >100 To 200, Deduct</i>	-3.77
	<i>For >200 To 400, Deduct</i>	-7.55
	<i>For >400, Deduct</i>	-11.32
03 31 13 00-0034	CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	172.32
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	20.63
	<i>For >20 To 50, Add</i>	7.74
	<i>For >100 To 200, Deduct</i>	-3.45
	<i>For >200 To 400, Deduct</i>	-6.89
	<i>For >400, Deduct</i>	-10.34



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade.....	152.28	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	12.61	
For >20 To 50, Add	4.73	
For >100 To 200, Deduct	-3.05	
For >200 To 400, Deduct	-6.09	
For >400, Deduct	-9.14	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	144.67	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	9.57	
For >20 To 50, Add	3.59	
For >100 To 200, Deduct	-2.89	
For >200 To 400, Deduct	-5.79	
For >400, Deduct	-8.68	
03 31 13 00-0037 CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade.....	157.09	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	10.51	
For >20 To 50, Add	3.94	
For >100 To 200, Deduct	-3.14	
For >200 To 400, Deduct	-6.28	
For >400, Deduct	-9.43	
03 31 13 00-0038 CY >6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	150.74	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	7.97	
For >20 To 50, Add	2.99	
For >100 To 200, Deduct	-3.01	
For >200 To 400, Deduct	-6.03	
For >400, Deduct	-9.04	

03 31 13 00-0039 Place Concrete Duct Bank (03 31 13 00-0011)

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0040	CY Direct Chute, Place 3,000 PSI Concrete Duct Bank	146.84
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	10.44
	For >20 To 50, Add	3.91
	For >100 To 200, Deduct	-2.94
	For >200 To 400, Deduct	-5.87
	For >400, Deduct	-8.81
03 31 13 00-0041	Place Concrete Stairs (03 31 13 00-0011)	
03 31 13 00-0042	CY Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	426.54
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	122.32
	For >20 To 50, Add	45.87
	For >100 To 200, Deduct	-8.53
	For >200 To 400, Deduct	-17.06
	For >400, Deduct	-25.59
03 31 13 00-0043	CY Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	262.62
	For 2,000 PSI Concrete, Deduct	-6.52
	For 2,500 PSI Concrete, Deduct	-3.26
	For 3,500 PSI Concrete, Add	6.04
	For 3,750 PSI Concrete, Add	8.21
	For 4,000 PSI Concrete, Add	10.38
	For 4,500 PSI Concrete, Add	12.08
	For 5,000 PSI Concrete, Add	13.77
	For 6,000 PSI Concrete, Add	32.60
	For 7,500 PSI Concrete, Add	80.96
	For White Cement Concrete, Add	14.49
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70
	For High Early Strength, Type 3 ASTM C150, Add	12.08
	For Lightweight Aggregate, ASTM C330, Add	36.23
	For Up To 20, Add	56.75
	For >20 To 50, Add	21.28
	For >100 To 200, Deduct	-5.25
	For >200 To 400, Deduct	-10.50
	For >400, Deduct	-15.76
03 31 13 00-0044	CY Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs	249.05
	Note: Excludes pumping equipment.	
	For 2,000 PSI Concrete, Deduct	-7.06
	For 2,500 PSI Concrete, Deduct	-3.53
	For 3,500 PSI Concrete, Add	6.54
	For 3,750 PSI Concrete, Add	8.90
	For 4,000 PSI Concrete, Add	11.25
	For 4,500 PSI Concrete, Add	13.08
	For 5,000 PSI Concrete, Add	14.91
	For 6,000 PSI Concrete, Add	35.32
	For 7,500 PSI Concrete, Add	87.71
	For White Cement Concrete, Add	15.70
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
	For High Early Strength, Type 3 ASTM C150, Add	13.08
	For Lightweight Aggregate, ASTM C330, Add	39.24
	For Up To 20, Add	47.30
	For >20 To 50, Add	17.74
	For >100 To 200, Deduct	-4.98
	For >200 To 400, Deduct	-9.96
	For >400, Deduct	-14.94
03 31 13 00-0045	Place Concrete Thrust Blocks And Backfill (03 31 13 00-0011)	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0046 CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....	190.05	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
03 31 13 00-0047 Place Concrete Slurry (03 31 13 00-0011)		
Note: 2 bag cement per CY.		
03 31 13 00-0048 CY Direct Chute, Place 1,200 PSI Concrete Slurry	174.96	
03 31 13 00-0049 CY Concrete Pump, Place 1,200 PSI Concrete Slurry	163.39	
Note: Excludes pumping equipment.		
03 31 13 00-0050 Hand Mix And Place Concrete (03 31 13 00-0011)		
03 31 13 00-0051 CF Hand Mix And Place Concrete.....	26.78	
Note: For use where conventional equipment access is limited or when directed by the owner.		
For 2,000 PSI Concrete, Deduct	-0.28	
For 2,500 PSI Concrete, Deduct	-0.14	
For 3,500 PSI Concrete, Add	0.26	
03 31 13 00-0052 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)		
See CSI section 03 31 13 00-0088 for concrete pump truck.		
03 31 13 00-0053 Place Elevated Concrete Beams (03 31 13 00-0052)		
03 31 13 00-0054 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams.....	286.76	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	66.40	
For >20 To 50, Add	24.90	
For >100 To 200, Deduct	-5.74	
For >200 To 400, Deduct	-11.47	
For >400, Deduct	-17.21	
03 31 13 00-0055 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	204.16	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	29.34	
For >20 To 50, Add	11.00	
For >100 To 200, Deduct	-4.08	
For >200 To 400, Deduct	-8.17	
For >400, Deduct	-12.25	
03 31 13 00-0056 Place Elevated Concrete Slab (03 31 13 00-0052)		

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0057	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	198.91
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
		<i>For 3,500 PSI Concrete, Add</i>	6.04
		<i>For 3,750 PSI Concrete, Add</i>	8.21
		<i>For 4,000 PSI Concrete, Add</i>	10.38
		<i>For 4,500 PSI Concrete, Add</i>	12.08
		<i>For 5,000 PSI Concrete, Add</i>	13.77
		<i>For 6,000 PSI Concrete, Add</i>	32.60
		<i>For 7,500 PSI Concrete, Add</i>	80.96
		<i>For White Cement Concrete, Add</i>	14.49
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
		<i>For Up To 20, Add</i>	31.26
		<i>For >20 To 50, Add</i>	11.72
		<i>For >100 To 200, Deduct</i>	-3.98
		<i>For >200 To 400, Deduct</i>	-7.96
		<i>For >400, Deduct</i>	-11.93
03 31 13 00-0058	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	180.05
		<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
		<i>For 3,500 PSI Concrete, Add</i>	6.04
		<i>For 3,750 PSI Concrete, Add</i>	8.21
		<i>For 4,000 PSI Concrete, Add</i>	10.38
		<i>For 4,500 PSI Concrete, Add</i>	12.08
		<i>For 5,000 PSI Concrete, Add</i>	13.77
		<i>For 6,000 PSI Concrete, Add</i>	32.60
		<i>For 7,500 PSI Concrete, Add</i>	80.96
		<i>For White Cement Concrete, Add</i>	14.49
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
		<i>For Up To 20, Add</i>	23.72
		<i>For >20 To 50, Add</i>	8.90
		<i>For >100 To 200, Deduct</i>	-3.60
		<i>For >200 To 400, Deduct</i>	-7.20
		<i>For >400, Deduct</i>	-10.80
03 31 13 00-0059	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	165.34
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
		<i>For 3,500 PSI Concrete, Add</i>	6.54
		<i>For 3,750 PSI Concrete, Add</i>	8.90
		<i>For 4,000 PSI Concrete, Add</i>	11.25
		<i>For 4,500 PSI Concrete, Add</i>	13.08
		<i>For 5,000 PSI Concrete, Add</i>	14.91
		<i>For 6,000 PSI Concrete, Add</i>	35.32
		<i>For 7,500 PSI Concrete, Add</i>	87.71
		<i>For White Cement Concrete, Add</i>	15.70
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
		<i>For Up To 20, Add</i>	13.81
		<i>For >20 To 50, Add</i>	5.18
		<i>For >100 To 200, Deduct</i>	-3.31
		<i>For >200 To 400, Deduct</i>	-6.61
		<i>For >400, Deduct</i>	-9.92
03 31 13 00-0060	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	157.01
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
		<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
		<i>For 3,500 PSI Concrete, Add</i>	6.54
		<i>For 3,750 PSI Concrete, Add</i>	8.90
		<i>For 4,000 PSI Concrete, Add</i>	11.25
		<i>For 4,500 PSI Concrete, Add</i>	13.08
		<i>For 5,000 PSI Concrete, Add</i>	14.91
		<i>For 6,000 PSI Concrete, Add</i>	35.32
		<i>For 7,500 PSI Concrete, Add</i>	87.71
		<i>For White Cement Concrete, Add</i>	15.70
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
		<i>For Up To 20, Add</i>	10.48
		<i>For >20 To 50, Add</i>	3.93
		<i>For >100 To 200, Deduct</i>	-3.14
		<i>For >200 To 400, Deduct</i>	-6.28
		<i>For >400, Deduct</i>	-9.42

03 31 13 00-0061 Place Concrete Columns (03 31 13 00-0052)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0062 CY 12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	300.04	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	71.72	
For >20 To 50, Add	26.89	
For >100 To 200, Deduct	-6.00	
For >200 To 400, Deduct	-12.00	
For >400, Deduct	-18.00	
03 31 13 00-0063 CY 18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	251.07	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	52.13	
For >20 To 50, Add	19.55	
For >100 To 200, Deduct	-5.02	
For >200 To 400, Deduct	-10.04	
For >400, Deduct	-15.06	
03 31 13 00-0064 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	216.04	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	38.12	
For >20 To 50, Add	14.29	
For >100 To 200, Deduct	-4.32	
For >200 To 400, Deduct	-8.64	
For >400, Deduct	-12.96	
03 31 13 00-0065 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	200.43	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	31.87	
For >20 To 50, Add	11.95	
For >100 To 200, Deduct	-4.01	
For >200 To 400, Deduct	-8.02	
For >400, Deduct	-12.03	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0066	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	210.02
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For 7,500 PSI Concrete, Add	87.71
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	31.68
		For >20 To 50, Add	11.88
		For >100 To 200, Deduct	-4.20
		For >200 To 400, Deduct	-8.40
		For >400, Deduct	-12.60
03 31 13 00-0067	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	188.39
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For 7,500 PSI Concrete, Add	87.71
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	23.03
		For >20 To 50, Add	8.64
		For >100 To 200, Deduct	-3.77
		For >200 To 400, Deduct	-7.54
		For >400, Deduct	-11.30
03 31 13 00-0068	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	172.91
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For 7,500 PSI Concrete, Add	87.71
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	16.84
		For >20 To 50, Add	6.32
		For >100 To 200, Deduct	-3.46
		For >200 To 400, Deduct	-6.92
		For >400, Deduct	-10.37
03 31 13 00-0069	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns	166.01
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-7.06
		For 2,500 PSI Concrete, Deduct	-3.53
		For 3,500 PSI Concrete, Add	6.54
		For 3,750 PSI Concrete, Add	8.90
		For 4,000 PSI Concrete, Add	11.25
		For 4,500 PSI Concrete, Add	13.08
		For 5,000 PSI Concrete, Add	14.91
		For 6,000 PSI Concrete, Add	35.32
		For 7,500 PSI Concrete, Add	87.71
		For White Cement Concrete, Add	15.70
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01
		For High Early Strength, Type 3 ASTM C150, Add	13.08
		For Lightweight Aggregate, ASTM C330, Add	39.24
		For Up To 20, Add	14.08
		For >20 To 50, Add	5.28
		For >100 To 200, Deduct	-3.32
		For >200 To 400, Deduct	-6.64
		For >400, Deduct	-9.96

03 31 13 00-0070 Place Concrete Walls (03 31 13 00-0052)



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0071 CY 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	288.84	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	67.24	
For >20 To 50, Add	25.21	
For >100 To 200, Deduct	-5.78	
For >200 To 400, Deduct	-11.55	
For >400, Deduct	-17.33	
03 31 13 00-0072 CY 12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	274.90	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	61.66	
For >20 To 50, Add	23.12	
For >100 To 200, Deduct	-5.50	
For >200 To 400, Deduct	-11.00	
For >400, Deduct	-16.49	
03 31 13 00-0073 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls.....	274.90	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	47.06	
For >20 To 50, Add	17.65	
For >100 To 200, Deduct	-4.77	
For >200 To 400, Deduct	-9.54	
For >400, Deduct	-14.30	
03 31 13 00-0074 CY 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls.....	198.72	
For 2,000 PSI Concrete, Deduct	-6.52	
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	31.19	
For >20 To 50, Add	11.70	
For >100 To 200, Deduct	-3.97	
For >200 To 400, Deduct	-7.95	
For >400, Deduct	-11.92	

03	Concrete
03 30	Cast-In-Place Concrete
03 31	Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 31 13 00-0075	CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	183.13
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	24.95
	<i>For >20 To 50, Add</i>	9.36
	<i>For >100 To 200, Deduct</i>	-3.66
	<i>For >200 To 400, Deduct</i>	-7.33
	<i>For >400, Deduct</i>	-10.99
03 31 13 00-0076	CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	175.33
	<i>For 2,000 PSI Concrete, Deduct</i>	-6.52
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.26
	<i>For 3,500 PSI Concrete, Add</i>	6.04
	<i>For 3,750 PSI Concrete, Add</i>	8.21
	<i>For 4,000 PSI Concrete, Add</i>	10.38
	<i>For 4,500 PSI Concrete, Add</i>	12.08
	<i>For 5,000 PSI Concrete, Add</i>	13.77
	<i>For 6,000 PSI Concrete, Add</i>	32.60
	<i>For 7,500 PSI Concrete, Add</i>	80.96
	<i>For White Cement Concrete, Add</i>	14.49
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23
	<i>For Up To 20, Add</i>	21.83
	<i>For >20 To 50, Add</i>	8.19
	<i>For >100 To 200, Deduct</i>	-3.51
	<i>For >200 To 400, Deduct</i>	-7.01
	<i>For >400, Deduct</i>	-10.52
03 31 13 00-0077	CY 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	205.07
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For 7,500 PSI Concrete, Add</i>	87.71
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	29.70
	<i>For >20 To 50, Add</i>	11.14
	<i>For >100 To 200, Deduct</i>	-4.10
	<i>For >200 To 400, Deduct</i>	-8.20
	<i>For >400, Deduct</i>	-12.30
03 31 13 00-0078	CY 12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls	190.22
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-7.06
	<i>For 2,500 PSI Concrete, Deduct</i>	-3.53
	<i>For 3,500 PSI Concrete, Add</i>	6.54
	<i>For 3,750 PSI Concrete, Add</i>	8.90
	<i>For 4,000 PSI Concrete, Add</i>	11.25
	<i>For 4,500 PSI Concrete, Add</i>	13.08
	<i>For 5,000 PSI Concrete, Add</i>	14.91
	<i>For 6,000 PSI Concrete, Add</i>	35.32
	<i>For 7,500 PSI Concrete, Add</i>	87.71
	<i>For White Cement Concrete, Add</i>	15.70
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24
	<i>For Up To 20, Add</i>	23.76
	<i>For >20 To 50, Add</i>	8.91
	<i>For >100 To 200, Deduct</i>	-3.80
	<i>For >200 To 400, Deduct</i>	-7.61
	<i>For >400, Deduct</i>	-11.41



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0079 CY 15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	182.79	
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	20.79	
For >20 To 50, Add	7.80	
For >100 To 200, Deduct	-3.66	
For >200 To 400, Deduct	-7.31	
For >400, Deduct	-10.97	
03 31 13 00-0080 Place Elevated Concrete Stairs (03 31 13 00-0052)		
03 31 13 00-0081 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs For 2,000 PSI Concrete, Deduct	460.56	-6.52
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	135.92	
For >20 To 50, Add	50.97	
For >100 To 200, Deduct	-9.21	
For >200 To 400, Deduct	-18.42	
For >400, Deduct	-27.63	
03 31 13 00-0082 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs..... For 2,000 PSI Concrete, Deduct	278.38	-6.52
For 2,500 PSI Concrete, Deduct	-3.26	
For 3,500 PSI Concrete, Add	6.04	
For 3,750 PSI Concrete, Add	8.21	
For 4,000 PSI Concrete, Add	10.38	
For 4,500 PSI Concrete, Add	12.08	
For 5,000 PSI Concrete, Add	13.77	
For 6,000 PSI Concrete, Add	32.60	
For 7,500 PSI Concrete, Add	80.96	
For White Cement Concrete, Add	14.49	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.70	
For High Early Strength, Type 3 ASTM C150, Add	12.08	
For Lightweight Aggregate, ASTM C330, Add	36.23	
For Up To 20, Add	63.05	
For >20 To 50, Add	23.64	
For >100 To 200, Deduct	-5.57	
For >200 To 400, Deduct	-11.14	
For >400, Deduct	-16.70	
03 31 13 00-0083 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs..... Note: Excludes pumping equipment.	262.17	
For 2,000 PSI Concrete, Deduct	-7.06	
For 2,500 PSI Concrete, Deduct	-3.53	
For 3,500 PSI Concrete, Add	6.54	
For 3,750 PSI Concrete, Add	8.90	
For 4,000 PSI Concrete, Add	11.25	
For 4,500 PSI Concrete, Add	13.08	
For 5,000 PSI Concrete, Add	14.91	
For 6,000 PSI Concrete, Add	35.32	
For 7,500 PSI Concrete, Add	87.71	
For White Cement Concrete, Add	15.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	17.01	
For High Early Strength, Type 3 ASTM C150, Add	13.08	
For Lightweight Aggregate, ASTM C330, Add	39.24	
For Up To 20, Add	52.54	
For >20 To 50, Add	19.70	
For >100 To 200, Deduct	-5.24	
For >200 To 400, Deduct	-10.49	
For >400, Deduct	-15.73	
03 31 13 00-0084 Place Concrete Coping (03 31 13 00-0052)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0085	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	472.30	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For 7,500 PSI Concrete, Add</i>	80.96	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	140.62	
			<i>For >20 To 50, Add</i>	52.73	
			<i>For >100 To 200, Deduct</i>	-9.45	
			<i>For >200 To 400, Deduct</i>	-18.89	
			<i>For >400, Deduct</i>	-28.34	
03 31	13 00-0086	CY	Direct Chute, Place 3,000 PSI Concrete Coping	277.32	
			<i>For 2,000 PSI Concrete, Deduct</i>	-6.52	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.26	
			<i>For 3,500 PSI Concrete, Add</i>	6.04	
			<i>For 3,750 PSI Concrete, Add</i>	8.21	
			<i>For 4,000 PSI Concrete, Add</i>	10.38	
			<i>For 4,500 PSI Concrete, Add</i>	12.08	
			<i>For 5,000 PSI Concrete, Add</i>	13.77	
			<i>For 6,000 PSI Concrete, Add</i>	32.60	
			<i>For 7,500 PSI Concrete, Add</i>	80.96	
			<i>For White Cement Concrete, Add</i>	14.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	15.70	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	12.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	36.23	
			<i>For Up To 20, Add</i>	62.63	
			<i>For >20 To 50, Add</i>	23.49	
			<i>For >100 To 200, Deduct</i>	-5.55	
			<i>For >200 To 400, Deduct</i>	-11.09	
			<i>For >400, Deduct</i>	-16.64	
03 31	13 00-0087	CY	Concrete Pump, Place 3,000 PSI Concrete Coping.....	367.97	
			Note: Excludes pumping equipment.		
			<i>For 2,000 PSI Concrete, Deduct</i>	-7.06	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.53	
			<i>For 3,500 PSI Concrete, Add</i>	6.54	
			<i>For 3,750 PSI Concrete, Add</i>	8.90	
			<i>For 4,000 PSI Concrete, Add</i>	11.25	
			<i>For 4,500 PSI Concrete, Add</i>	13.08	
			<i>For 5,000 PSI Concrete, Add</i>	14.91	
			<i>For 6,000 PSI Concrete, Add</i>	35.32	
			<i>For 7,500 PSI Concrete, Add</i>	87.71	
			<i>For White Cement Concrete, Add</i>	15.70	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	17.01	
			<i>For High Early Strength, Type 3 ASTM C150, Add</i>	13.08	
			<i>For Lightweight Aggregate, ASTM C330, Add</i>	39.24	
			<i>For Up To 20, Add</i>	94.86	
			<i>For >20 To 50, Add</i>	35.57	
			<i>For >100 To 200, Deduct</i>	-7.36	
			<i>For >200 To 400, Deduct</i>	-14.72	
			<i>For >400, Deduct</i>	-22.08	
03 31	13 00-0088		Concrete Pumping With Boom Truck <small>(03 31 13 00-0010)</small>		
			Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach.		
03 31	13 00-0089	HR	55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating)	149.71	
03 31	13 00-0090	HR	70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	163.89	
			<i>For Each CY Of Concrete Pumped, Add</i>	1.25	
03 31	13 00-0091	HR	90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	198.66	
			<i>For Each CY Of Concrete Pumped, Add</i>	1.50	
03 31	13 00-0092	HR	105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating)	232.28	
			<i>For Each CY Of Concrete Pumped, Add</i>	1.50	
03 31	13 00-0093	HR	120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	281.80	
			<i>For Each CY Of Concrete Pumped, Add</i>	1.75	
03 31	13 00-0094	HR	135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	254.07	
03 31	13 00-0095	HR	148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating)	369.73	
03 31	13 00-0096	HR	170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating)	452.25	
			<i>For Each CY Of Concrete Pumped, Add</i>	2.25	
03 31	13 00-0097	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump	119.50	
			Note: Includes hoses		
03 31	13 00-0098		Concrete Carts <small>(03 31 13 00-0010)</small>		
			Note: Used to place concrete were necessary.		
03 31	13 00-0099	CY	50' Haul, Non Motorized, Concrete Buggy	19.13	
03 31	13 00-0100	CY	150' Haul, Non Motorized, Concrete Buggy	25.61	



Concrete	03	03
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13 00-0101	CY	250' Haul, Non Motorized, Concrete Buggy.....	34.16	
03 31	13 00-0102	CY	50' Haul, Motorized, Concrete Buggy.....	9.41	
03 31	13 00-0103	CY	150' Haul, Motorized, Concrete Buggy.....	12.61	
03 31	13 00-0104	CY	250' Haul, Motorized, Concrete Buggy.....	16.80	
03 31 13 00-0105 Delivery Fee For Small Purchases (03 31 13)					
03 31	13 00-0106	CY	Delivery Fee For Concrete Purchases Per CY For Each CY Less Than 9 CY..... Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	16.56	
03 31 13 00-0107 Delivery Fee For Concrete, Per Truck Load (03 31 13)					
03 31	13 00-0108	EA	Concrete Delivery Fee, Per Truck..... Note: To be added to all concrete leaving concrete yard	40.00	
03 31 13 00-0109 Equipment Pads (03 31 13)					
03 31 13 00-0110 Small Concrete Equipment Housekeeping Pad Assemblies (03 31 13 00-0109)					
Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project.					
03 31	13 00-0111	SF	4" Equipment Pad With Welded Wire Reinforcement.....	13.49	
03 31	13 00-0112	SF	4" Equipment Pad With Rebar.....	16.60	
03 31	13 00-0113	SF	6" Equipment Pad With Rebar.....	20.95	
03 31	13 00-0114	SF	8" Equipment Pad With Rebar.....	26.37	
03 35 Concrete Finishing (03 35)					
03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)					
03 35 16 00-0001 Floor Finishes (03 35 16)					
Note: Task is for final finish type and includes all required prior finishes.					
03 35	16 00-0002	SF	Concrete Floor Finishes, Screed.....	0.73	
				For Up To 50 SF, Add	2.92
				For >50 To 250, Add	0.73
				For >2,500 To 7,500, Deduct	-0.07
				For >7,500 To 10,000 SF, Deduct	-0.15
				For >10,000 SF, Deduct	-0.18
03 35	16 00-0003	SF	Concrete Floor Finishes, Darby.....	0.88	
				For Up To 50 SF, Add	3.52
				For >50 To 250, Add	0.88
				For >2,500 To 7,500, Deduct	-0.09
				For >7,500 To 10,000 SF, Deduct	-0.18
				For >10,000 SF, Deduct	-0.22
03 35	16 00-0004	SF	Concrete Floor Finishes, Broom.....	0.97	
				For Up To 50 SF, Add	3.88
				For >50 To 250, Add	0.97
				For >2,500 To 7,500, Deduct	-0.10
				For >7,500 To 10,000 SF, Deduct	-0.19
				For >10,000 SF, Deduct	-0.24
03 35	16 00-0005	SF	Concrete Floor Finishes, Final Float.....	1.13	
				For Up To 50 SF, Add	4.52
				For >50 To 250, Add	1.13
				For >2,500 To 7,500, Deduct	-0.11
				For >7,500 To 10,000 SF, Deduct	-0.23
				For >10,000 SF, Deduct	-0.28
03 35	16 00-0006	SF	Concrete Floor Finishes, Steel Trowel.....	1.28	
				For Up To 50 SF, Add	5.12
				For >50 To 250, Add	1.28
				For >2,500 To 7,500, Deduct	-0.13
				For >7,500 To 10,000 SF, Deduct	-0.26
				For >10,000 SF, Deduct	-0.32
03 35 23 Exposed Aggregate Concrete Finishing (03 35)					
03 35 23 00-0001 Exposed Aggregate Concrete Finish (03 35 23)					
03 35	23 00-0002	SF	Exposed Aggregate Concrete Floor Finish.....	2.51	
03 35 23 00-0003 Sand Blast Concrete Finish (03 35 23)					
03 35	23 00-0004	SF	Up To 1/4" Aggregate Reveal, Sand Blast Concrete Finish.....	2.52	
03 35	23 00-0005	SF	>1/4" To 1/2" Aggregate Reveal, Sand Blast Concrete Finish.....	5.05	
03 35 26 Grooved Concrete Surface Finishing (03 35)					
03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)					
03 35	26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing.....	3.14	

03	Concrete
03 30	Cast-In-Place Concrete
03 35	Concrete Finishing



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 35 29 Tooled Concrete Finishing (03 35)

03 35 29 00-0001	Solid Board Concrete Finish (03 35 29)	
03 35 29 00-0002	SF Solid Board Concrete, Non Uniform Finish, 1 Use, Add To Formwork.....	11.53
03 35 29 00-0003	Marblecrete Finishes (03 35 29)	
03 35 29 00-0004	SF 2" Thick Marblecrete And Finish	29.24
03 35 29 00-0005	SF 4" Thick Marblecrete And Finish	39.20

03 35 33 Stamped Concrete Finishing (03 35)

03 35 33 00-0001	Stamped Finishes (03 35 33)	
03 35 33 00-0002	SF Up To 2,500 SF Stamped Finish.....	2.89
03 35 33 00-0003	SF >2,500 To 10,000 SF Stamped Finish	2.62
03 35 33 00-0004	SF >10,000 SF Stamped Finish	2.50

03 35 39 Rusticated Concrete Finish (03 35)

03 35 39 00-0001	Rusticated Concrete Finish (03 35 39)	
03 35 39 00-0002	SF Rusticated Concrete Finish, Beveled Edge, 1 Use, Add To Formwork	5.30
03 35 39 00-0003	SF Rusticated Concrete Finish, Square Edge, 1 Use, Add To Formwork	6.94

03 35 63 Slip-Resistant Floor Finishing (03 35)

03 35 63 00-0001	Slip-Resistant Floor Finishing (03 35 63)	
03 35 63 00-0002	SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF	0.87
	For Up To 50 SF, Add	2.80
	For >50 To 250, Add	0.70
	For >2,500 To 7,500, Deduct	-0.07
	For >7,500 To 10,000 SF, Deduct	-0.14
	For >10,000 SF, Deduct	-0.18
03 35 63 00-0003	SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF	0.95
	For Up To 50 SF, Add	2.80
	For >50 To 250, Add	0.70
	For >2,500 To 7,500, Deduct	-0.07
	For >7,500 To 10,000 SF, Deduct	-0.14
	For >10,000 SF, Deduct	-0.18

03 35 66 Acid Etch Floor Finishing (03 35)

03 35 66 00-0001	Acid Etch Floor (03 35 66)	
03 35 66 00-0002	SF Concrete Floor Finishes, Etch With Acid And Rinse	0.72
	For Up To 50 SF, Add	1.36
	For >50 To 250, Add	0.34
	For >2,500 To 7,500, Deduct	-0.03
	For >7,500 To 10,000 SF, Deduct	-0.07
	For >10,000 SF, Deduct	-0.09

03 35 83 Wall Finishes (03 35)

03 35 83 00-0001	Wall Finishes (03 35 83)	
03 35 83 00-0002	SF Wall Finishes, Burlap Rub With Grout.....	1.29
	For Up To 50 SF, Add	4.88
	For >50 To 250, Add	1.22
	For >2,500 To 7,500, Deduct	-0.12
	For >7,500 To 10,000 SF, Deduct	-0.24
	For >10,000 SF, Deduct	-0.31
03 35 83 00-0003	SF Wall Finishes, 1/16" Float Finish.....	1.94
	For Up To 50 SF, Add	7.36
	For >50 To 250, Add	1.84
	For >2,500 To 7,500, Deduct	-0.18
	For >7,500 To 10,000 SF, Deduct	-0.37
	For >10,000 SF, Deduct	-0.46
03 35 83 00-0004	SF Wall Finishes, Etch With Acid And Rinse.....	0.79
	For Up To 50 SF, Add	1.64
	For >50 To 250, Add	0.41
	For >2,500 To 7,500, Deduct	-0.04
	For >7,500 To 10,000 SF, Deduct	-0.08
	For >10,000 SF, Deduct	-0.10
03 35 83 00-0005	SF Wall Finishes, Bush Hammer Green Concrete	3.92
	For Up To 50 SF, Add	15.56
	For >50 To 250, Add	3.89
	For >2,500 To 7,500, Deduct	-0.39
	For >7,500 To 10,000 SF, Deduct	-0.78
	For >10,000 SF, Deduct	-0.97



Concrete	03	03
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0006 SF Wall Finishes, Bush Hammer Cured Concrete	6.09	
For Up To 50 SF, Add	24.08	
For >50 To 250, Add	6.02	
For >2,500 To 7,500, Deduct	-0.60	
For >7,500 To 10,000 SF, Deduct	-1.20	
For >10,000 SF, Deduct	-1.51	
03 35 83 00-0007 SF Wall Finishes, Break Ties And Patch.....	0.75	
For Up To 50 SF, Add	2.64	
For >50 To 250, Add	0.66	
For >2,500 To 7,500, Deduct	-0.07	
For >7,500 To 10,000 SF, Deduct	-0.13	
For >10,000 SF, Deduct	-0.17	
03 35 83 00-0008 SF Wall Finishes, Carborundum Dry Rub	2.55	
For Up To 50 SF, Add	9.84	
For >50 To 250, Add	2.46	
For >2,500 To 7,500, Deduct	-0.25	
For >7,500 To 10,000 SF, Deduct	-0.49	
For >10,000 SF, Deduct	-0.62	
03 35 83 00-0009 SF Wall Finishes, Carborundum Wet Rub.....	3.87	
For Up To 50 SF, Add	15.12	
For >50 To 250, Add	3.78	
For >2,500 To 7,500, Deduct	-0.38	
For >7,500 To 10,000 SF, Deduct	-0.76	
For >10,000 SF, Deduct	-0.95	
03 35 83 00-0010 SF Wall Finishes, Mechanical Concrete Sand Blasting, Heavy Penetration, Walls, Various Finish Textures	8.36	
For Up To 50 SF, Add	31.04	
For >50 To 250, Add	7.76	
For >2,500 To 7,500, Deduct	-0.78	
For >7,500 To 10,000 SF, Deduct	-1.55	
For >10,000 SF, Deduct	-1.94	
03 35 83 00-0011 SF Wall Finishes, Light Sand Blast	1.87	
Note: Not for use as sand blasting for existing material		
For Up To 50 SF, Add	7.12	
For >50 To 250, Add	1.78	
For >2,500 To 7,500, Deduct	-0.18	
For >7,500 To 10,000 SF, Deduct	-0.36	
For >10,000 SF, Deduct	-0.45	

03 37 Specialty Placed Concrete (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete (03 37)

03 37 13 00-0001 Fiber Reinforced, Structural Repair (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced	3.79	
For Up To 25 SF, Add	0.60	
For >25 To 50 SF, Add	0.34	
For >50 To 150, Add	0.11	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced	6.98	
For Up To 25 SF, Add	1.05	
For >25 To 50 SF, Add	0.58	
For >50 To 150, Add	0.18	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced	10.42	
For Up To 25 SF, Add	1.57	
For >25 To 50 SF, Add	0.87	
For >50 To 150, Add	0.26	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced	13.81	
For Up To 25 SF, Add	2.08	
For >25 To 50 SF, Add	1.16	
For >50 To 150, Add	0.35	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced	19.80	
For Up To 25 SF, Add	3.03	
For >25 To 50 SF, Add	1.69	
For >50 To 150, Add	0.52	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008 SF 1" Thick Gunite	3.61	
For Radius Or Irregular Surface, Add	0.81	
For Up To 25 SF, Add	0.67	
For >25 To 50, Add	0.38	
For >50 To 150 SF, Add	0.15	
03 37 13 00-0009 SF 2" Thick Gunite	7.20	
For Radius Or Irregular Surface, Add	1.62	
For Up To 25 SF, Add	1.33	
For >25 To 50, Add	0.77	
For >50 To 150 SF, Add	0.30	
03 37 13 00-0010 SF 3" Thick Gunite	10.84	
For Radius Or Irregular Surface, Add	2.44	
For Up To 25 SF, Add	2.00	
For >25 To 50, Add	1.15	
For >50 To 150 SF, Add	0.46	

03	Concrete
03 30	Cast-In-Place Concrete
03 37	Specialty Placed Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 37 13 00-0011 SF 4" Thick Gunite	14.41	
For Radius Or Irregular Surface, Add	3.24	
For Up To 25 SF, Add	2.66	
For >25 To 50, Add	1.53	
For >50 To 150 SF, Add	0.61	
03 39 Concrete Curing (03 30)		
03 39 13 Water Concrete Curing (03 39)		
03 39 13 00-0001 Water Concrete Curing (03 39 13)	18.70	
03 39 13 00-0002 GAL Water Based Curing, Sealing, Hardening And Dustproofing Compound		
Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		
03 39 23 Membrane Concrete Curing (03 39)		
03 39 23 23 Sheet Membrane Concrete Curing (03 39 23)		
03 39 23 23-0001 Concrete Curing Materials And Compounds (03 39 23 23)		
03 39 23 23-0002 CSF 7.5 Oz Burlap, Concrete Curing Blanket	29.91	
03 39 23 23-0003 CSF 9 Oz Burlap, Concrete Curing Blanket	29.68	
03 39 23 23-0004 CSF 12 Oz Burlap, Concrete Curing Blanket	32.01	
03 39 23 23-0005 CSF 2 Ply Reinforced, Concrete Curing Waterproof Paper	28.90	
03 39 23 23-0006 CSF Curing Paper	9.47	
03 39 33 Concrete Surface Treatments (03 39)		
03 39 33 00-0001 Concrete Surface Treatments (03 39 33)		
03 39 33 00-0002 LB Aluminum Oxide Anti Slip Abrasive Grit	1.46	
03 39 33 00-0003 GAL Acrylic Latex Bonding Agent, 250 SF Per Gallon	98.09	
03 39 33 00-0004 GAL Epoxy Resin Bonding Agent, 80 SF Per Gallon	167.20	
03 39 33 00-0005 TON Calcium Chloride, 100 LB Bags	648.64	
03 39 33 00-0006 BAG Calcium Chloride, 100 LB Bags	36.11	
03 39 33 00-0007 SF Clear Acrylic Sealer, Hardener And Dustproofer	0.23	
Note: 300 SF/GAL.		
03 39 33 00-0008 SF Colored Acrylic Sealer, Hardener And Dustproofer	0.24	
Note: 300 SF/GAL.		
03 39 33 00-0009 GAL Clear Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	67.43	
03 39 33 00-0010 GAL Colored Acrylic Sealer, Hardener And Dustproofer, 300 SF Per Gallon	70.07	
03 39 33 00-0011 SF Water-Based, Silane/Siloxane Water Repellent (Prosoco Inc. Saltguard WB)	0.30	
Note: 200 SF/GAL		
03 39 33 00-0012 Shake On Floor Hardeners (03 39 33)		
03 39 33 00-0013 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener	0.90	
03 39 33 00-0014 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener	1.39	
03 39 33 00-0015 SF 0.3 LB/SF, Non Metallic, Shake On Floor Hardener	0.86	
03 39 33 00-0016 SF 0.65 LB/SF, Non Metallic, Shake On Floor Hardener	1.03	
03 40 Precast Concrete (03)		
Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Material prices include the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.		
03 41 Precast Structural Concrete (03 40)		
03 41 16 Precast Concrete Slabs (03 41)		
03 41 16 00-0001 Flat Floor Slab/Floor Plank (03 41 16)		
03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane (03 41 16 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003 EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	264.78	211.84
03 41 16 00-0004 EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	294.34	235.43
03 41 16 00-0005 EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	312.54	250.02
03 41 16 00-0006 EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	331.34	265.08
03 41 16 00-0007 EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	354.59	283.66
03 41 16 00-0008 EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	378.96	303.17
03 41 16 00-0009 EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	406.94	325.53
03 41 16 00-0010 EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	442.58	354.04
03 41 16 00-0011 EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	481.22	385.03
03 41 16 00-0012 Material Cost (03 41 16 00-0001)		
Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.		



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0013 SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	10.09	
<i>For 3,500 PSI Concrete, Add</i>	0.20	
<i>For 4,000 PSI Concrete, Add</i>	0.30	
<i>For 4,500 PSI Concrete, Add</i>	0.40	
<i>For 5,000 PSI Concrete, Add</i>	0.61	
03 41 16 00-0014 SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	12.11	
<i>For 3,500 PSI Concrete, Add</i>	0.24	
<i>For 4,000 PSI Concrete, Add</i>	0.36	
<i>For 4,500 PSI Concrete, Add</i>	0.48	
<i>For 5,000 PSI Concrete, Add</i>	0.73	
03 41 16 00-0015 SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	14.80	
<i>For 3,500 PSI Concrete, Add</i>	0.30	
<i>For 4,000 PSI Concrete, Add</i>	0.44	
<i>For 4,500 PSI Concrete, Add</i>	0.59	
<i>For 5,000 PSI Concrete, Add</i>	0.89	
03 41 16 00-0016 SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	19.64	
<i>For 3,500 PSI Concrete, Add</i>	0.39	
<i>For 4,000 PSI Concrete, Add</i>	0.59	
<i>For 4,500 PSI Concrete, Add</i>	0.79	
<i>For 5,000 PSI Concrete, Add</i>	1.18	
03 41 16 00-0017 Floor Units, Combination Beam And Slab (03 41 16)		
03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane (03 41 16 00-0017)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	327.47	261.96
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	356.93	285.58
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	394.49	315.56
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	438.05	350.41
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	492.40	393.89
03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane (03 41 16 00-0017)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	413.05	330.47
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	450.21	360.14
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane.....	497.61	398.11
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane.....	552.53	442.04
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane.....	621.09	496.92
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane.....	675.32	540.22
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane.....	746.40	597.12
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane.....	826.12	660.94
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane.....	935.06	748.04
03 41 16 00-0034 Material Cost (03 41 16 00-0017)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.		
03 41 16 00-0035 4" Slab (03 41 16 00-0034)		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,062.58	
<i>For 3,500 PSI Concrete, Add</i>	21.25	
<i>For 4,000 PSI Concrete, Add</i>	31.88	
<i>For 4,500 PSI Concrete, Add</i>	42.50	
<i>For 5,000 PSI Concrete, Add</i>	63.75	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,076.04	
<i>For 3,500 PSI Concrete, Add</i>	21.52	
<i>For 4,000 PSI Concrete, Add</i>	32.28	
<i>For 4,500 PSI Concrete, Add</i>	43.04	
<i>For 5,000 PSI Concrete, Add</i>	64.56	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,210.54	
<i>For 3,500 PSI Concrete, Add</i>	24.21	
<i>For 4,000 PSI Concrete, Add</i>	36.32	
<i>For 4,500 PSI Concrete, Add</i>	48.42	
<i>For 5,000 PSI Concrete, Add</i>	72.63	
03 41 16 00-0039 5" Slab (03 41 16 00-0034)		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,089.49	
<i>For 3,500 PSI Concrete, Add</i>	21.79	
<i>For 4,000 PSI Concrete, Add</i>	32.68	
<i>For 4,500 PSI Concrete, Add</i>	43.58	
<i>For 5,000 PSI Concrete, Add</i>	65.37	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,129.84	
<i>For 3,500 PSI Concrete, Add</i>	22.60	
<i>For 4,000 PSI Concrete, Add</i>	33.90	
<i>For 4,500 PSI Concrete, Add</i>	45.19	
<i>For 5,000 PSI Concrete, Add</i>	67.79	

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,439.20	
		<i>For 3,500 PSI Concrete, Add</i>	28.78	
		<i>For 4,000 PSI Concrete, Add</i>	43.18	
		<i>For 4,500 PSI Concrete, Add</i>	57.57	
		<i>For 5,000 PSI Concrete, Add</i>	86.35	

03 41 16 00-0043 6" Slab (03 41 16 00-0034)

03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	1,129.84	
		<i>For 3,500 PSI Concrete, Add</i>	22.60	
		<i>For 4,000 PSI Concrete, Add</i>	33.90	
		<i>For 4,500 PSI Concrete, Add</i>	45.19	
		<i>For 5,000 PSI Concrete, Add</i>	67.79	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	1,345.04	
		<i>For 3,500 PSI Concrete, Add</i>	26.90	
		<i>For 4,000 PSI Concrete, Add</i>	40.35	
		<i>For 4,500 PSI Concrete, Add</i>	53.80	
		<i>For 5,000 PSI Concrete, Add</i>	80.70	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	1,640.95	
		<i>For 3,500 PSI Concrete, Add</i>	32.82	
		<i>For 4,000 PSI Concrete, Add</i>	49.23	
		<i>For 4,500 PSI Concrete, Add</i>	65.64	
		<i>For 5,000 PSI Concrete, Add</i>	98.46	

03 41 19 Precast Concrete Wall Panels (03 41)

03 41 19 00-0001 Structural Wall Panels (03 41 19)

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	261.34	209.09
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	290.52	232.38
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	327.04	261.64
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	349.99	279.98
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	374.04	299.23
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	401.66	321.31
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	436.84	349.45
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	474.98	380.03

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	294.58	235.63
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	327.47	261.96
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	368.63	294.94
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	394.49	315.56
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	421.62	337.29
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	452.74	362.22
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	492.40	393.89
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	535.38	428.27
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	591.74	473.43
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	654.94	523.93
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	741.31	593.07
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	843.24	674.58
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	977.67	782.14

03 41 19 00-0025 Material Cost (03 41 19 00-0001)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	13.45	
		<i>For 3,500 PSI Concrete, Add</i>	0.27	
		<i>For 4,000 PSI Concrete, Add</i>	0.40	
		<i>For 4,500 PSI Concrete, Add</i>	0.54	
		<i>For 5,000 PSI Concrete, Add</i>	0.81	
		<i>For White Facing, Add</i>	2.69	
		<i>For Solid White Through Thickness, Add</i>	2.69	
		<i>For Broken Rib Finish, Add</i>	1.35	
		<i>For Fluted Surface, Add</i>	1.35	
		<i>For Exposed Aggregate, Add</i>	2.69	
		<i>For Sandblasting Of Surface, Add</i>	1.35	
		<i>For 2" Polystyrene Insulation, Add</i>	1.15	
		<i>For 2" Polystyrene Insulation, Add</i>	0.15	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	16.54	
For 3,500 PSI Concrete, Add	0.33	
For 4,000 PSI Concrete, Add	0.50	
For 4,500 PSI Concrete, Add	0.66	
For 5,000 PSI Concrete, Add	0.99	
For White Facing, Add	3.31	
For Solid White Through Thickness, Add	3.31	
For Broken Rib Finish, Add	1.65	
For Fluted Surface, Add	1.65	
For Exposed Aggregate, Add	3.31	
For Sandblasting Of Surface, Add	1.65	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.19	
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	19.91	
For 3,500 PSI Concrete, Add	0.40	
For 4,000 PSI Concrete, Add	0.60	
For 4,500 PSI Concrete, Add	0.80	
For 5,000 PSI Concrete, Add	1.19	
For White Facing, Add	3.98	
For Solid White Through Thickness, Add	3.98	
For Broken Rib Finish, Add	1.99	
For Fluted Surface, Add	1.99	
For Exposed Aggregate, Add	3.98	
For Sandblasting Of Surface, Add	1.99	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.23	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	26.23	
For 3,500 PSI Concrete, Add	0.52	
For 4,000 PSI Concrete, Add	0.79	
For 4,500 PSI Concrete, Add	1.05	
For 5,000 PSI Concrete, Add	1.57	
For White Facing, Add	5.25	
For Solid White Through Thickness, Add	5.25	
For Broken Rib Finish, Add	2.62	
For Fluted Surface, Add	2.62	
For Exposed Aggregate, Add	5.25	
For Sandblasting Of Surface, Add	2.62	
For 2" Polystyrene Insulation, Add	1.15	
For 2" Polystyrene Insulation, Add	0.30	
03 41 19 00-0030 Partition Panels <small>(03 41 19)</small>		
03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	213.63	170.88
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	237.48	190.00
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	267.32	213.86
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	305.76	244.60
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	328.33	262.69
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	357.09	285.67
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	388.26	310.65
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	429.13	343.32
03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0030)</small>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	261.34	209.09
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	290.52	232.38
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	327.04	261.64
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	374.04	299.23
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	401.66	321.31
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	436.84	349.45
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	474.98	380.03
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	524.98	419.96
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	581.05	464.84
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	657.66	526.10
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	748.09	598.47
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	867.35	693.86
03 41 19 00-0053 Material Cost <small>(03 41 19 00-0030)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	12.78	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.51	
For 5,000 PSI Concrete, Add	0.77	
For White Facing, Add	2.56	
For Solid White Through Thickness, Add	2.56	
For Broken Rib Finish, Add	1.28	
For Fluted Surface, Add	1.28	
For Exposed Aggregate, Add	2.56	
For Sandblasting Of Surface, Add	1.28	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	15.74	
For 4,000 PSI Concrete, Add	0.47	
For 4,500 PSI Concrete, Add	0.63	
For 5,000 PSI Concrete, Add	0.94	
For White Facing, Add	3.15	
For Solid White Through Thickness, Add	3.15	
For Broken Rib Finish, Add	1.57	
For Fluted Surface, Add	1.57	
For Exposed Aggregate, Add	3.15	
For Sandblasting Of Surface, Add	1.57	
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	18.83	
For 4,000 PSI Concrete, Add	0.56	
For 4,500 PSI Concrete, Add	0.75	
For 5,000 PSI Concrete, Add	1.13	
For White Facing, Add	3.77	
For Solid White Through Thickness, Add	3.77	
For Broken Rib Finish, Add	1.88	
For Fluted Surface, Add	1.88	
For Exposed Aggregate, Add	3.77	
For Sandblasting Of Surface, Add	1.88	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	24.88	
For 4,000 PSI Concrete, Add	0.75	
For 4,500 PSI Concrete, Add	1.00	
For 5,000 PSI Concrete, Add	1.49	
For White Facing, Add	4.98	
For Solid White Through Thickness, Add	4.98	
For Broken Rib Finish, Add	2.49	
For Fluted Surface, Add	2.49	
For Exposed Aggregate, Add	4.98	
For Sandblasting Of Surface, Add	2.49	
03 41 19 00-0058 Cladding Panels <small>(03 41 19)</small>		
03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane <small>(03 41 19 00-0058)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	275.79	220.59
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	308.49	246.78
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	349.99	279.98
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	374.04	299.23
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	401.66	321.31
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	436.84	349.45
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	474.98	380.03
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	524.98	419.96
03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane <small>(03 41 19 00-0058)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	310.87	248.66
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	347.73	278.17
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	394.49	315.56
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	421.62	337.29
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	452.74	362.22
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	492.40	393.89
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	535.38	428.27
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	591.74	473.43
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	654.94	523.93
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	741.31	593.07
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	843.24	674.58
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	977.67	782.14
03 41 19 00-0081 Material Cost <small>(03 41 19 00-0058)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	12.78	
For 3,500 PSI Concrete, Add	0.26	
For 4,000 PSI Concrete, Add	0.38	
For 4,500 PSI Concrete, Add	0.51	
For 5,000 PSI Concrete, Add	0.77	
For White Facing, Add	2.56	
For Solid White Through Thickness, Add	2.56	
For Broken Rib Finish, Add	1.28	
For Fluted Surface, Add	1.28	
For Exposed Aggregate, Add	2.56	
For Sandblasting Of Surface, Add	1.28	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	15.74	
For 3,500 PSI Concrete, Add	0.31	
For 4,000 PSI Concrete, Add	0.47	
For 4,500 PSI Concrete, Add	0.63	
For 5,000 PSI Concrete, Add	0.94	
For White Facing, Add	3.15	
For Solid White Through Thickness, Add	3.15	
For Broken Rib Finish, Add	1.57	
For Fluted Surface, Add	1.57	
For Exposed Aggregate, Add	3.15	
For Sandblasting Of Surface, Add	1.57	
03 41 19 00-0084 SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	18.83	
For 3,500 PSI Concrete, Add	0.38	
For 4,000 PSI Concrete, Add	0.56	
For 4,500 PSI Concrete, Add	0.75	
For 5,000 PSI Concrete, Add	1.13	
For White Facing, Add	3.77	
For Solid White Through Thickness, Add	3.77	
For Broken Rib Finish, Add	1.88	
For Fluted Surface, Add	1.88	
For Exposed Aggregate, Add	3.77	
For Sandblasting Of Surface, Add	1.88	
03 41 19 00-0085 SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	24.88	
For 3,500 PSI Concrete, Add	0.50	
For 4,000 PSI Concrete, Add	0.75	
For 4,500 PSI Concrete, Add	1.00	
For 5,000 PSI Concrete, Add	1.49	
For White Facing, Add	4.98	
For Solid White Through Thickness, Add	4.98	
For Broken Rib Finish, Add	2.49	
For Fluted Surface, Add	2.49	
For Exposed Aggregate, Add	4.98	
For Sandblasting Of Surface, Add	2.49	

03 41 19 00-0086 Sandwich Panel (03 41 19)

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0086)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	275.79	220.59
03 41 19 00-0089 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	308.49	246.78
03 41 19 00-0090 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	349.99	279.98
03 41 19 00-0091 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	374.04	299.23
03 41 19 00-0092 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	401.66	321.31
03 41 19 00-0093 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	436.84	349.45
03 41 19 00-0094 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	474.98	380.03
03 41 19 00-0095 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	524.98	419.96

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0086)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097 EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	279.42	223.49
03 41 19 00-0098 EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	312.54	250.02
03 41 19 00-0099 EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	354.59	283.66
03 41 19 00-0100 EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	378.96	303.17
03 41 19 00-0101 EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	406.94	325.53
03 41 19 00-0102 EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	442.58	354.04
03 41 19 00-0103 EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	481.22	385.03
03 41 19 00-0104 EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	531.88	425.48
03 41 19 00-0105 EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	588.68	470.95
03 41 19 00-0106 EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	666.31	533.01
03 41 19 00-0107 EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	757.92	606.33
03 41 19 00-0108 EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	878.75	702.98

03 41 19 00-0109 Material Cost (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41	19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	17.49	
			For 3,500 PSI Concrete, Add	0.35	
			For 4,000 PSI Concrete, Add	0.52	
			For 4,500 PSI Concrete, Add	0.70	
			For 5,000 PSI Concrete, Add	1.05	
			For White Facing, Add	3.50	
			For Solid White Through Thickness, Add	3.50	
			For Broken Rib Finish, Add	1.75	
			For Fluted Surface, Add	1.75	
			For Exposed Aggregate, Add	3.50	
			For Sandblasting Of Surface, Add	1.75	
03 41	19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	20.58	
			For 3,500 PSI Concrete, Add	0.41	
			For 4,000 PSI Concrete, Add	0.62	
			For 4,500 PSI Concrete, Add	0.82	
			For 5,000 PSI Concrete, Add	1.23	
			For White Facing, Add	4.12	
			For Solid White Through Thickness, Add	4.12	
			For Broken Rib Finish, Add	2.06	
			For Fluted Surface, Add	2.06	
			For Exposed Aggregate, Add	4.12	
			For Sandblasting Of Surface, Add	2.06	
03 41	19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	23.94	
			For 3,500 PSI Concrete, Add	0.48	
			For 4,000 PSI Concrete, Add	0.72	
			For 4,500 PSI Concrete, Add	0.96	
			For 5,000 PSI Concrete, Add	1.44	
			For White Facing, Add	4.79	
			For Solid White Through Thickness, Add	4.79	
			For Broken Rib Finish, Add	2.39	
			For Fluted Surface, Add	2.39	
			For Exposed Aggregate, Add	4.79	
			For Sandblasting Of Surface, Add	2.39	
03 41	19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	30.26	
			For 3,500 PSI Concrete, Add	0.61	
			For 4,000 PSI Concrete, Add	0.91	
			For 4,500 PSI Concrete, Add	1.21	
			For 5,000 PSI Concrete, Add	1.82	
			For White Facing, Add	6.05	
			For Solid White Through Thickness, Add	6.05	
			For Broken Rib Finish, Add	3.03	
			For Fluted Surface, Add	3.03	
			For Exposed Aggregate, Add	6.05	
			For Sandblasting Of Surface, Add	3.03	

03 41 23 Precast Concrete Stairs (03 41)**03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41	23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	290.52	232.38
03 41	23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	308.49	246.78
03 41	23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	327.04	261.64
03 41	23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	349.99	279.98
03 41	23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	374.04	299.23
03 41	23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	401.66	321.31
03 41	23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	436.84	349.45
03 41	23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	474.98	380.03

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41	23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	290.52	232.38
03 41	23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	308.49	246.78
03 41	23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	327.04	261.64
03 41	23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	349.99	279.98
03 41	23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	374.04	299.23
03 41	23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	401.66	321.31
03 41	23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	436.84	349.45
03 41	23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	474.98	380.03

03 41 23 00-0019 Material Cost (03 41 23)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41	23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	269.56	
			For 3,500 PSI Concrete, Add	35.18	
			For 4,000 PSI Concrete, Add	66.10	
			For 4,500 PSI Concrete, Add	97.15	
			For 5,000 PSI Concrete, Add	132.17	

03 41 26 Precast Concrete Structural Sections (03 41)



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0001 Precast Beams, Girder And Joists <small>(03 41 26)</small>		
03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane <small>(03 41 26 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0003 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	368.63	294.94
03 41 26 00-0004 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	394.49	315.56
03 41 26 00-0005 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	421.62	337.29
03 41 26 00-0006 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	452.74	362.22
03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane <small>(03 41 26 00-0001)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0008 EA Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	464.97	371.95
03 41 26 00-0009 EA Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	497.61	398.11
03 41 26 00-0010 EA Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	531.81	425.45
03 41 26 00-0011 EA Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	571.07	456.83
03 41 26 00-0012 EA Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	621.09	496.92
03 41 26 00-0013 EA Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	675.32	540.22
03 41 26 00-0014 EA Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	746.40	597.12
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	826.12	660.94
03 41 26 00-0016 Material Cost <small>(03 41 26 00-0001)</small>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017 1,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	53.90	
For 3,500 PSI Concrete, Add	1.47	
For 4,000 PSI Concrete, Add	2.21	
For 4,500 PSI Concrete, Add	2.94	
For 5,000 PSI Concrete, Add	4.42	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	67.38	
For 3,500 PSI Concrete, Add	1.84	
For 4,000 PSI Concrete, Add	2.76	
For 4,500 PSI Concrete, Add	3.68	
For 5,000 PSI Concrete, Add	5.53	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	80.86	
For 3,500 PSI Concrete, Add	2.21	
For 4,000 PSI Concrete, Add	3.32	
For 4,500 PSI Concrete, Add	4.41	
For 5,000 PSI Concrete, Add	6.63	
03 41 26 00-0021 3,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	67.38	
For 3,500 PSI Concrete, Add	1.84	
For 4,000 PSI Concrete, Add	2.76	
For 4,500 PSI Concrete, Add	3.68	
For 5,000 PSI Concrete, Add	5.53	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	80.86	
For 3,500 PSI Concrete, Add	2.21	
For 4,000 PSI Concrete, Add	3.32	
For 4,500 PSI Concrete, Add	4.41	
For 5,000 PSI Concrete, Add	6.63	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	107.81	
For 3,500 PSI Concrete, Add	2.94	
For 4,000 PSI Concrete, Add	4.42	
For 4,500 PSI Concrete, Add	5.89	
For 5,000 PSI Concrete, Add	8.84	
03 41 26 00-0025 5,000 LB/LF Live Load <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	94.33	
For 3,500 PSI Concrete, Add	2.58	
For 4,000 PSI Concrete, Add	3.87	
For 4,500 PSI Concrete, Add	5.15	
For 5,000 PSI Concrete, Add	7.74	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	107.81	
For 3,500 PSI Concrete, Add	2.94	
For 4,000 PSI Concrete, Add	4.42	
For 4,500 PSI Concrete, Add	5.89	
For 5,000 PSI Concrete, Add	8.84	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	134.76	
For 3,500 PSI Concrete, Add	3.68	
For 4,000 PSI Concrete, Add	5.53	
For 4,500 PSI Concrete, Add	7.36	
For 5,000 PSI Concrete, Add	11.05	
03 41 26 00-0029 Precast Concrete Columns <small>(03 41 26)</small>		

03	Concrete
03 40	Precast Concrete
03 41	Precast Structural Concrete



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0030	Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0029)	
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	212.01	169.58
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	225.41	180.29
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	241.57	193.27
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	259.12	207.29
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	279.42	223.49
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	303.17	242.54
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	331.34	265.08
03 41 26 00-0038	Material Cost (03 41 26 00-0029)	
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039	12" x 12" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY	279.00	
For 3,500 PSI Concrete, Add	20.93	
For 4,000 PSI Concrete, Add	39.34	
For 4,500 PSI Concrete, Add	58.03	
For 5,000 PSI Concrete, Add	78.96	
03 41 26 00-0041	16" x 16" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY	285.89	
For 3,500 PSI Concrete, Add	21.44	
For 4,000 PSI Concrete, Add	40.31	
For 4,500 PSI Concrete, Add	59.47	
For 5,000 PSI Concrete, Add	80.91	
03 41 26 00-0043	20" x 20" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0045	24" x 24" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0047	28" x 28" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 26 00-0049	32" x 32" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY	285.89	
For 3,500 PSI Concrete, Add	21.44	
For 4,000 PSI Concrete, Add	40.31	
For 4,500 PSI Concrete, Add	59.47	
For 5,000 PSI Concrete, Add	80.91	
03 41 26 00-0051	36" x 36" Column, Square, Tied (03 41 26 00-0038)	
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY	286.44	
For 3,500 PSI Concrete, Add	21.48	
For 4,000 PSI Concrete, Add	40.39	
For 4,500 PSI Concrete, Add	59.58	
For 5,000 PSI Concrete, Add	81.06	
03 41 33	Precast Structural Pretensioned Concrete (03 41)	
03 41 33 00-0001	Slabs, Roof And Floor Members (03 41 33)	
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	6.90	1.71
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	8.35	1.71
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	9.81	1.80
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	11.28	1.88
03 41 33 00-0006	Tee Members (03 41 33)	



Concrete	03	03
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0007 Multiple Tee, Roof And Floor <small>(03 41 33 00-0006)</small>		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members	14.35	2.23
03 41 33 00-0009 Double Tee Wall Member <small>(03 41 33 00-0006)</small>		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span.....	22.45	6.08
03 41 33 00-0011 Single Tee, Short Span, Roof Members <small>(03 41 33 00-0006)</small>		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span.....	17.64	3.68
03 41 33 00-0013 Single Tee, Long Span, Roof Members <small>(03 41 33 00-0006)</small>		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span.....	20.32	3.17
03 41 33 00-0015 Prestressed Concrete Items <small>(03 41 33)</small>		
03 41 33 00-0016 Prestressed Quad Tee <small>(03 41 33 00-0015)</small>		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof.....	9.76	0.69
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor	10.16	0.69
03 41 33 00-0019 Prestressed Double Tee <small>(03 41 33 00-0015)</small>		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span	15.84	0.60
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span	21.66	0.60
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span	11.23	1.03
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span	16.81	0.69
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High.....	12.38	1.37
03 41 33 00-0025 Prestressed Single Tee <small>(03 41 33 00-0015)</small>		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span	19.36	1.54
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span	21.79	0.94
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span	28.55	0.86
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span	30.03	0.86
03 41 33 00-0030 Prestressed Double Tee Floor Members <small>(03 41 33 00-0015)</small>		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	4,890.89	246.69
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	5,329.46	274.10
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	8,809.11	308.36
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	2,005.55	224.33
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	2,599.65	246.69
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	3,273.54	246.69
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	3,644.72	274.10
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	4,630.96	308.36
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	8,190.48	352.56
03 41 33 00-0040 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab <small>(03 41 33)</small>		
03 41 33 00-0041 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	10.23	
03 41 33 00-0042 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	10.69	
03 41 33 00-0043 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	11.30	
03 41 33 00-0044 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	11.80	
03 41 33 00-0045 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	12.75	
03 41 33 00-0046 Double And Single Tees <small>(03 41 33)</small>		
03 41 33 00-0047 Double And Single Tees With 16" Roof And Floor Loading <small>(03 41 33 00-0046)</small>		
03 41 33 00-0048 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.57	
03 41 33 00-0049 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.24	
03 41 33 00-0050 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	11.54	
03 41 33 00-0051 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	12.57	
03 41 33 00-0052 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	12.48	
03 41 33 00-0053 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	18.88	
03 41 33 00-0054 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	18.42	
03 41 33 00-0055 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	17.24	
03 41 33 00-0056 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	18.88	
03 41 33 00-0057 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....	17.70	
03 41 33 00-0058 Double And Single Tees With 24" Roof And Floor Loading <small>(03 41 33 00-0046)</small>		
03 41 33 00-0059 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	12.93	
03 41 33 00-0060 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	12.60	
03 41 33 00-0061 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	12.15	
03 41 33 00-0062 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	12.93	
03 41 33 00-0063 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	12.48	

03 Concrete**03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
03 41 33 00-0064	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete.....		19.36	
03 41 33 00-0065	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete.....		18.91	
03 41 33 00-0066	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete.....		18.21	
03 41 33 00-0067	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete.....		19.36	
03 41 33 00-0068	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete.....		18.79	
03 41 33 00-0069		Double And Single Tees With 32" Roof And Floor Loading (03 41 33 00-0046)			
03 41 33 00-0070	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....		13.67	
03 41 33 00-0071	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....		13.21	
03 41 33 00-0072	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....		12.75	
03 41 33 00-0073	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete.....		20.59	
03 41 33 00-0074	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete.....		19.88	
03 41 33 00-0075	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete.....		19.06	
03 48 Precast Concrete Specialties (03 40)					
03 48 16 Precast Concrete Splash Blocks (03 48)					
03 48 16 00-0001		Precast Concrete Splash Blocks (03 48 16)			
03 48 16 00-0002	EA	Precast Concrete Splash Blocks, Standard Size.....		16.61	3.07
03 48 21 Precast Concrete Handrails (03 48)					
03 48 21 00-0001		Installation Cost (03 48 21)			
		Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.			
03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail.....		121.06	54.50
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail.....		145.19	65.32
03 48 21 00-0004		Material Cost (03 48 21)			
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.			
03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....		1,064.79	
		For 3,500 PSI Concrete, Add		69.48	
		For 4,000 PSI Concrete, Add		130.54	
		For 4,500 PSI Concrete, Add		191.88	
		For 5,000 PSI Concrete, Add		261.03	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....		1,105.23	
		For 3,500 PSI Concrete, Add		72.12	
		For 4,000 PSI Concrete, Add		135.50	
		For 4,500 PSI Concrete, Add		199.16	
		For 5,000 PSI Concrete, Add		270.95	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....		1,145.66	
		For 3,500 PSI Concrete, Add		74.75	
		For 4,000 PSI Concrete, Add		140.46	
		For 4,500 PSI Concrete, Add		206.45	
		For 5,000 PSI Concrete, Add		280.86	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....		1,199.58	
		For 3,500 PSI Concrete, Add		78.27	
		For 4,000 PSI Concrete, Add		147.07	
		For 4,500 PSI Concrete, Add		216.16	
		For 5,000 PSI Concrete, Add		294.08	
03 48 22 Precast Concrete Sun Screen And Trellis (03 48)					
03 48 22 00-0001		Sun Screen Blades (03 48 22)			
03 48 22 00-0002		Installation Cost (03 48 22 00-0001)			
		Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.			
03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each.....		60.53	27.25
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each.....		72.73	32.70
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each.....		90.87	40.92
03 48 22 00-0006		Material Cost (03 48 22 00-0001)			
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.			
03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....		1,132.18	
		For 3,500 PSI Concrete, Add		73.87	
		For 4,000 PSI Concrete, Add		138.81	
		For 4,500 PSI Concrete, Add		204.02	
		For 5,000 PSI Concrete, Add		277.55	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....		1,172.62	
		For 3,500 PSI Concrete, Add		76.51	
		For 4,000 PSI Concrete, Add		143.76	
		For 4,500 PSI Concrete, Add		211.31	
		For 5,000 PSI Concrete, Add		287.47	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades.....		1,226.53	
		For 3,500 PSI Concrete, Add		80.03	
		For 4,000 PSI Concrete, Add		150.37	
		For 4,500 PSI Concrete, Add		221.02	
		For 5,000 PSI Concrete, Add		300.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0010 CY 8" Thick 3,000 PSI Concrete Precast Sun Screen Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,280.45 83.55 156.98 230.74 313.90	
03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)		
03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011) Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013 EA Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	275.79	124.09
03 48 22 00-0014 EA Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	308.49	138.87
03 48 22 00-0015 EA Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	349.99	157.48
03 48 22 00-0016 EA Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	374.04	168.32
03 48 22 00-0017 Material Cost (03 48 22 00-0017) Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,307.40 85.31 160.29 235.59 320.51	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,347.84 87.95 165.25 242.88 330.42	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,401.75 91.46 171.85 252.60 343.64	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades <i>For 3,500 PSI Concrete, Add</i> <i>For 4,000 PSI Concrete, Add</i> <i>For 4,500 PSI Concrete, Add</i> <i>For 5,000 PSI Concrete, Add</i>	1,469.14 95.86 180.12 264.74 360.16	
03 48 24 Precast Minaret Segments (03 48)		
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	268.37	214.70
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	300.74	240.60
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	340.04	272.03
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	362.71	290.17
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	283.63	226.95
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	318.33	254.63
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	360.53	288.38
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	386.11	308.87
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	544.07	435.30
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	657.66	526.10
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	729.84	583.89
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	819.83	655.89
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	297.75	238.17
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	332.48	265.95
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	378.78	302.97
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	404.37	323.45
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24) Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	271.90	217.53
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	304.70	243.77
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	344.51	275.60
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	367.48	293.98

03	Concrete
03 40	Precast Concrete
03 48	Precast Concrete Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0028 O - Shaped Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane.....	287.36	229.93
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane.....	322.52	257.98
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane.....	365.26	292.17
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane.....	391.19	312.93
03 48 24 00-0033 Platform Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	439.38	351.49
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	531.88	425.48
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	588.68	470.95
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	666.31	533.01
03 48 24 00-0038 Cap Segment <small>(03 48 24 00-0022)</small>		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	301.66	241.30
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	336.85	269.44
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	383.75	306.96
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	409.69	327.71
03 48 24 00-0043 Material Costs <small>(03 48 24)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments Including Post Tension Cost, 3,000 PSI Concrete	3,234.63	
03 48 29 Precast Accessories <small>(03 48)</small>		
Note: Includes installation labor, material and equipment.		
03 48 29 00-0001 Bearing Pads For Precast Members <small>(03 48 29)</small>		
03 48 29 00-0002 Continuous 2" Wide Strips <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips	1.10	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips	1.57	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips	2.60	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips	3.64	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips	4.73	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips	6.80	
Note: For precast members		
03 48 29 00-0009 Bearing Pad Pipe Supports <small>(03 48 29)</small>		
03 48 29 00-0010 LF 4" x 4" Precast Pipe Support.....	6.87	
03 48 46 Precast Skylight Shells <small>(03 48)</small>		
03 48 46 00-0001 Installation Cost Using A 90 Ton Crawler Crane <small>(03 48 46)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane.....	394.49	177.55
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane.....	438.05	197.13
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane.....	492.40	221.59
03 48 46 00-0005 Material Cost <small>(03 48 46)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	1,353.27	
03 48 49 Precast Landings <small>(03 48)</small>		
03 48 49 00-0001 SF 3" Thick Precast Landing	40.71	
03 48 49 00-0002 SF 4" Thick Precast Landing	47.09	
03 48 49 00-0003 SF 5" Thick Precast Landing	53.98	
03 48 49 00-0004 SF 6" Thick Precast Landing	62.37	

03 50 Cast Decks And Underlayment (03)

03 53 Concrete Topping (03 50)

Note: Installed over new or existing concrete.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 53 00 00-0001 Integral Topping Including Hard Trowel Finish (03 53)
 Note: Using 1:1:2 mix.

03 53 00 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	1.90	
03 53 00 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.13	
03 53 00 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.49	
03 53 00 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.95	
03 53 00 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.18	
03 53 00 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.55	
03 53 00 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.96	

03 53 00 00-0009 Granolithic Topping Laid After (03 53)
 Note: Using 1:1:1-1/2 mix.

03 53 00 00-0010	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.21	
03 53 00 00-0011	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	3.45	
03 53 00 00-0012	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.33	

03 54 Cast Underlayment (03 50)
 Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment (03 54)

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors (03 54 16)
 Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	1.65	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	2.50	
03 54 16 00-0004	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	4.21	
03 54 16 00-0005	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	5.93	
03 54 16 00-0006	SF	1" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation	7.64	
03 54 16 00-0007	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	9.92	
03 54 16 00-0008	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	11.07	
03 54 16 00-0009	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors Including Surface Preparation.....	14.50	

03 60 Grouting (03)

03 61 Cementitious Grouting (03 60)

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout (03 61)

03 61 16 00-0001 Flowable Grout (03 61 16)

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	327.81	
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03 62 Non-Shrink Grouting (03 60)

03 62 13 Non-Metallic Non-Shrink Grouting (03 62)

03 62 13 00-0001 Fluid Type, Nonmetallic (03 62 13)

03 62 13 00-0002	SF	1" Deep Fluid Type Nonmetal Grout, For Grouting Bases.....	18.95	
03 62 13 00-0003	SF	2" Deep Fluid Type Nonmetal Grout, For Grouting Bases.....	27.96	

03 62 13 00-0004 Nonshrink, Nonmetallic Grout (03 62 13)

03 62 13 00-0005	SF	1" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	28.98	
03 62 13 00-0006	SF	2" Deep Nonshrink Nonmetallic Grout, For Grouting Bases	46.35	

03 62 13 00-0007 Nonshrink, Nonmetallic Grout For Joints (03 62 13)

03 62 13 00-0008 1/2" Joint Thickness (03 62 13 00-0007)

03 62 13 00-0009	LF	1/2" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	1.52	
03 62 13 00-0010	LF	1/2" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	1.99	
03 62 13 00-0011	LF	1/2" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.64	

03 62 13 00-0012 1" Joint Thickness (03 62 13 00-0007)

03 62 13 00-0013	LF	1" x 4" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.24	
03 62 13 00-0014	LF	1" x 6" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	2.98	
03 62 13 00-0015	LF	1" x 8" Wide Nonshrink Non Metallic Joint For Grouting Joints.....	3.96	

03 62 16 Metallic Non-Shrink Grouting (03 62)

03 62 16 00-0001 Nonshrink, Metallic Grout (03 62 16)

03 62 16 00-0002	SF	1" Deep Nonshrink Metallic Grout, For Grouting Bases.....	24.62	
03 62 16 00-0003	SF	2" Deep Nonshrink Metallic Grout, For Grouting Bases.....	37.89	

03	03 Concrete
	03 60 Grouting
	03 62 Non-Shrink Grouting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16 00-0004 Nonshrink, Metallic Grout For Joints <small>(03 62 16)</small>		
03 62 16 00-0005 1/2" Joint Thickness <small>(03 62 16 00-0004)</small>		
03 62 16 00-0006 LF 1/2" x 4" Wide Nonshrink Metallic Joint For Grouting Joints	1.25	
03 62 16 00-0007 LF 1/2" x 6" Wide Nonshrink Metallic Joint For Grouting Joints	1.57	
03 62 16 00-0008 LF 1/2" x 8" Wide Nonshrink Metallic Joint For Grouting Joints	2.11	
03 62 16 00-0009 1" Joint Thickness <small>(03 62 16 00-0004)</small>		
03 62 16 00-0010 LF 1" x 4" Wide Nonshrink Metallic Joint For Grouting Joints	1.71	
03 62 16 00-0011 LF 1" x 6" Wide Nonshrink Metallic Joint For Grouting Joints	2.16	
03 62 16 00-0012 LF 1" x 8" Wide Nonshrink Metallic Joint For Grouting Joints	2.88	
03 64 Injection Grouting <small>(03 60)</small>		
Note: By volume of void filled. Includes injection ports.		
03 64 23 Epoxy Injection Grouting <small>(03 64)</small>		
03 64 23 00-0001 CF Pressure Injected Epoxy Grout		789.62
03 64 26 Injection Grouting <small>(03 64)</small>		
03 64 26 00-0001 CF Pressure Injected Cementitious Grout		61.54
03 80 Concrete Cutting And Boring <small>(03)</small>		
03 81 Concrete Cutting <small>(03 80)</small>		
03 81 13 Flat Concrete Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0046 for saw cutting.		
03 81 16 Track Mounted Concrete Wall Sawing <small>(03 81)</small>		
See CSI section 02 41 19 13-0046 for saw cutting.		
03 82 Concrete Boring <small>(03 80)</small>		
03 82 13 Concrete Core Drilling <small>(03 82)</small>		
See CSI section 02 41 19 13-0068 for core drilling.		

END OF SECTION 03



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 Metals

05 05 Common Work Results For Metals ⁽⁰⁵⁾

05 05 19 Post-Installed Concrete Anchors ^(05 05)

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors ^(05 05 19)

05 05 19 00-0002 Expansion Anchors ^(05 05 19 00-0001)

Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors ^(05 05 19 00-0002)

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt ^(05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.16
	For >10 To 50, Deduct	-0.39
	For >50 To 100, Deduct	-0.78
	For >100, Deduct	-1.57
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.23
	For >10 To 50, Deduct	-0.39
	For >50 To 100, Deduct	-0.79
	For >100, Deduct	-1.57
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	8.49
	For >10 To 50, Deduct	-0.40
	For >50 To 100, Deduct	-0.81
	For >100, Deduct	-1.62
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.01
	For >10 To 50, Deduct	-0.47
	For >50 To 100, Deduct	-0.96
	For >100, Deduct	-1.91
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.06
	For >10 To 50, Deduct	-0.47
	For >50 To 100, Deduct	-0.96
	For >100, Deduct	-1.91
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.08
	For >10 To 50, Deduct	-0.47
	For >50 To 100, Deduct	-0.96
	For >100, Deduct	-1.91
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	10.28
	For >10 To 50, Deduct	-0.47
	For >50 To 100, Deduct	-0.96
	For >100, Deduct	-1.92
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.48
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.36
	For >100, Deduct	-2.73
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.52
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.37
	For >100, Deduct	-2.73
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.60
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.37
	For >100, Deduct	-2.74
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.82
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.37
	For >100, Deduct	-2.75
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	15.12
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.38
	For >100, Deduct	-2.76
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.74
	For >10 To 50, Deduct	-0.83
	For >50 To 100, Deduct	-1.71
	For >100, Deduct	-3.41
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.80
	For >10 To 50, Deduct	-0.83
	For >50 To 100, Deduct	-1.71
	For >100, Deduct	-3.42
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	18.94
	For >10 To 50, Deduct	-0.83
	For >50 To 100, Deduct	-1.71
	For >100, Deduct	-3.42
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.21
	For >10 To 50, Deduct	-0.83
	For >50 To 100, Deduct	-1.72
	For >100, Deduct	-3.44
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	19.48
	For >10 To 50, Deduct	-0.83
	For >50 To 100, Deduct	-1.72
	For >100, Deduct	-3.45

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	21.61	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.78	
			<i>For >100, Deduct</i>	-3.56	
05 05 19 00-0023	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.44	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.82	
			<i>For >100, Deduct</i>	-3.65	
05 05 19 00-0024	EA		3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.58	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100, Deduct</i>	-4.07	
05 05 19 00-0025	EA		3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.64	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.04	
			<i>For >100, Deduct</i>	-4.08	
05 05 19 00-0026	EA		3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	22.97	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100, Deduct</i>	-4.09	
05 05 19 00-0027	EA		3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.36	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.06	
			<i>For >100, Deduct</i>	-4.11	
05 05 19 00-0028	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	23.81	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.07	
			<i>For >100, Deduct</i>	-4.14	
05 05 19 00-0029	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	25.51	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.11	
			<i>For >100, Deduct</i>	-4.22	
05 05 19 00-0030	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	27.78	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.17	
			<i>For >100, Deduct</i>	-4.33	
05 05 19 00-0031	EA		3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	30.34	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.23	
			<i>For >100, Deduct</i>	-4.46	
05 05 19 00-0032	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	29.75	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0033	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	31.09	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.37	
			<i>For >100, Deduct</i>	-4.75	
05 05 19 00-0034	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	32.88	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.42	
			<i>For >100, Deduct</i>	-4.84	
05 05 19 00-0035	EA		1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	36.95	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-2.99	
			<i>For >100, Deduct</i>	-5.98	
05 05 19 00-0036	EA		1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	39.49	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.05	
			<i>For >100, Deduct</i>	-6.11	
05 05 19 00-0037	EA		1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	42.00	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.12	
			<i>For >100, Deduct</i>	-6.23	
05 05 19 00-0038	EA		1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.09	
			<i>For >10 To 50, Deduct</i>	-1.77	
			<i>For >50 To 100, Deduct</i>	-3.85	
			<i>For >100, Deduct</i>	-7.70	
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	49.90	
			<i>For >10 To 50, Deduct</i>	-1.77	
			<i>For >50 To 100, Deduct</i>	-3.90	
			<i>For >100, Deduct</i>	-7.79	
05 05 19 00-0040			304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.67	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.59	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.89	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.23	
<i>For >10 To 50, Deduct</i>	-0.40	
<i>For >50 To 100, Deduct</i>	-0.83	
<i>For >100, Deduct</i>	-1.65	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	10.98	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.16	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.97	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.30	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	12.32	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100, Deduct</i>	-2.03	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.67	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.84	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.02	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.86	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.23	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.43	
<i>For >100, Deduct</i>	-2.87	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.15	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.91	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.55	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100, Deduct</i>	-2.98	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.19	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100, Deduct</i>	-3.63	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	24.10	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.84	
<i>For >100, Deduct</i>	-3.68	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.08	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.86	
<i>For >100, Deduct</i>	-3.73	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.38	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.90	
<i>For >100, Deduct</i>	-3.79	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.12	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-2.04	
<i>For >100, Deduct</i>	-4.08	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	27.66	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100, Deduct</i>	-4.33	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.51	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.21	
<i>For >100, Deduct</i>	-4.42	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.08	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.25	
<i>For >100, Deduct</i>	-4.50	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.28	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.25	
<i>For >100, Deduct</i>	-4.51	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.75	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.29	
<i>For >100, Deduct</i>	-4.58	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.59	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.39	
<i>For >100, Deduct</i>	-4.77	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.01	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.52	
			<i>For >100, Deduct</i>	-5.05	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.68	
			<i>For >10 To 50, Deduct</i>	-1.07	
			<i>For >50 To 100, Deduct</i>	-2.66	
			<i>For >100, Deduct</i>	-5.33	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	61.08	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.59	
			<i>For >100, Deduct</i>	-7.19	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	69.10	
			<i>For >10 To 50, Deduct</i>	-1.38	
			<i>For >50 To 100, Deduct</i>	-3.79	
			<i>For >100, Deduct</i>	-7.59	
05 05 19 00-0068			316 Stainless Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	8.85	
			<i>For >10 To 50, Deduct</i>	-0.39	
			<i>For >50 To 100, Deduct</i>	-0.80	
			<i>For >100, Deduct</i>	-1.60	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	9.31	
			<i>For >10 To 50, Deduct</i>	-0.40	
			<i>For >50 To 100, Deduct</i>	-0.83	
			<i>For >100, Deduct</i>	-1.66	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.58	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-0.99	
			<i>For >100, Deduct</i>	-1.99	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.90	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.01	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	11.99	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.00	
			<i>For >100, Deduct</i>	-2.01	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	13.52	
			<i>For >10 To 50, Deduct</i>	-0.47	
			<i>For >50 To 100, Deduct</i>	-1.04	
			<i>For >100, Deduct</i>	-2.09	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.14	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.46	
			<i>For >100, Deduct</i>	-2.91	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.03	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.48	
			<i>For >100, Deduct</i>	-2.96	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.65	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.52	
			<i>For >100, Deduct</i>	-3.04	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.06	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.53	
			<i>For >100, Deduct</i>	-3.06	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.16	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.94	
			<i>For >100, Deduct</i>	-3.88	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.64	
			<i>For >10 To 50, Deduct</i>	-0.83	
			<i>For >50 To 100, Deduct</i>	-1.95	
			<i>For >100, Deduct</i>	-3.91	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.61	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.34	
			<i>For >100, Deduct</i>	-4.68	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.63	
			<i>For >10 To 50, Deduct</i>	-0.98	
			<i>For >50 To 100, Deduct</i>	-2.39	
			<i>For >100, Deduct</i>	-4.78	
05 05 19 00-0083			Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	16.21	
			<i>For >10 To 50, Deduct</i>	-0.67	
			<i>For >50 To 100, Deduct</i>	-1.41	
			<i>For >100, Deduct</i>	-2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	16.96	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.85	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	17.71	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.45	
For >100, Deduct	-2.89	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	18.09	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.46	
For >100, Deduct	-2.91	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	21.89	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.57	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	20.99	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.76	
For >100, Deduct	-3.52	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.02	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.17	
For >100, Deduct	-4.35	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	28.85	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.19	
For >100, Deduct	-4.39	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	32.90	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.29	
For >100, Deduct	-4.59	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	36.19	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-2.97	
For >100, Deduct	-5.94	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	38.52	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-3.03	
For >100, Deduct	-6.06	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	40.84	
For >10 To 50, Deduct	-1.38	
For >50 To 100, Deduct	-3.09	
For >100, Deduct	-6.18	
05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0086)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.22	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.31	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.43	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.65	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.68	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	8.74	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.68	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.81	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.95	
For >100, Deduct	-1.90	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	9.97	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.95	
For >100, Deduct	-1.91	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	10.12	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.91	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.11	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.35	
For >100, Deduct	-2.71	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.31	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.72	
05 05 19 00-0108 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.49	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.73	
05 05 19 00-0109 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.70	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.74	
05 05 19 00-0110 EA 5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.68	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.68	
For >100, Deduct	-3.36	
05 05 19 00-0111 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.99	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.69	
For >100, Deduct	-3.37	
05 05 19 00-0112 EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.22	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.69	
For >100, Deduct	-3.39	
05 05 19 00-0113 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	18.89	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.71	
For >100, Deduct	-3.42	
05 05 19 00-0114 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	21.58	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.01	
For >100, Deduct	-4.02	
05 05 19 00-0115 EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.16	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.03	
For >100, Deduct	-4.05	
05 05 19 00-0116 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	22.68	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.04	
For >100, Deduct	-4.08	
05 05 19 00-0117 EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	23.51	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.06	
For >100, Deduct	-4.12	
05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)		
Note: Includes nut and washer.		
05 05 19 00-0119 EA 1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	9.06	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.64	
05 05 19 00-0120 EA 3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	11.57	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.99	
For >100, Deduct	-1.99	
05 05 19 00-0121 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	12.43	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.02	
For >100, Deduct	-2.03	
05 05 19 00-0122 EA 1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	17.04	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.85	
05 05 19 00-0123 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	18.59	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.93	
05 05 19 00-0124 EA 5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	24.94	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.86	
For >100, Deduct	-3.72	
05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)		
Note: Includes nut and washer.		
05 05 19 00-0126 EA 1/4" Diameter x 1-3/4" Long Concrete Strike Anchor	8.69	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.62	
05 05 19 00-0127 EA 1/4" Diameter x 2-3/8" Long Concrete Strike Anchor	8.85	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Long Concrete Strike Anchor	9.24	
<i>For >10 To 50, Deduct</i>	-0.41	
<i>For >50 To 100, Deduct</i>	-0.85	
<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0129 EA 5/16" Diameter x 4" Long Concrete Strike Anchor	9.91	
<i>For >10 To 50, Deduct</i>	-0.41	
<i>For >50 To 100, Deduct</i>	-0.87	
<i>For >100, Deduct</i>	-1.74	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Long Concrete Strike Anchor	10.54	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.97	
<i>For >100, Deduct</i>	-1.94	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Long Concrete Strike Anchor	11.05	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.96	
05 05 19 00-0132 EA 3/8" Diameter x 5" Long Concrete Strike Anchor	11.44	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.99	
<i>For >100, Deduct</i>	-1.98	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Long Concrete Strike Anchor	15.37	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.77	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Long Concrete Strike Anchor	15.67	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.39	
<i>For >100, Deduct</i>	-2.79	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Long Concrete Strike Anchor	16.56	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.42	
<i>For >100, Deduct</i>	-2.83	
05 05 19 00-0136 EA 1/2" Diameter x 6" Long Concrete Strike Anchor	17.71	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100, Deduct</i>	-2.89	
05 05 19 00-0137 EA 5/8" Diameter x 4" Long Concrete Strike Anchor	20.34	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.75	
<i>For >100, Deduct</i>	-3.49	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Long Concrete Strike Anchor	21.40	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100, Deduct</i>	-3.55	
05 05 19 00-0139 EA 5/8" Diameter x 6" Long Concrete Strike Anchor	22.34	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.80	
<i>For >100, Deduct</i>	-3.59	
05 05 19 00-0140 EA 3/4" Diameter x 5" Long Concrete Strike Anchor	26.01	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100, Deduct</i>	-4.24	
05 05 19 00-0141 EA 3/4" Diameter x 6" Long Concrete Strike Anchor	27.00	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.15	
<i>For >100, Deduct</i>	-4.29	
 05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	11.41	
<i>For >10 To 50, Deduct</i>	-0.55	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.22	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	13.96	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.71	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	16.99	
<i>For >10 To 50, Deduct</i>	-0.79	
<i>For >50 To 100, Deduct</i>	-1.61	
<i>For >100, Deduct</i>	-3.22	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.23	
<i>For >10 To 50, Deduct</i>	-0.87	
<i>For >50 To 100, Deduct</i>	-1.78	
<i>For >100, Deduct</i>	-3.57	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	22.96	
<i>For >10 To 50, Deduct</i>	-0.99	
<i>For >50 To 100, Deduct</i>	-2.06	
<i>For >100, Deduct</i>	-4.11	
 05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	13.17	
For >10 To 50, Deduct	-0.55	
For >50 To 100, Deduct	-1.15	
For >100, Deduct	-2.31	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	17.32	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.88	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	21.36	
For >10 To 50, Deduct	-0.79	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.44	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	26.26	
For >10 To 50, Deduct	-0.87	
For >50 To 100, Deduct	-1.96	
For >100, Deduct	-3.92	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	35.05	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.36	
For >100, Deduct	-4.72	
05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.36	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	8.92	
For >10 To 50, Deduct	-0.41	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.69	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	10.09	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.91	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	14.70	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.74	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	20.21	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.74	
For >100, Deduct	-3.49	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	24.34	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-4.16	
05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	8.40	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.61	
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	10.00	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.95	
For >100, Deduct	-1.91	
05 05 19 00-0165 EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	10.40	
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-0.96	
For >100, Deduct	-1.93	
05 05 19 00-0166 EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	14.68	
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.74	
05 05 19 00-0167 EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	19.58	
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.45	
05 05 19 00-0168 EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	22.05	
For >10 To 50, Deduct	-0.98	
For >50 To 100, Deduct	-2.02	
For >100, Deduct	-4.05	
05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)		
05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)		
Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	10.57	
<i>For >10 To 50, Deduct</i>	-0.43	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	12.22	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-1.02	
<i>For >100, Deduct</i>	-2.03	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	15.18	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100, Deduct</i>	-2.54	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	17.74	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.44	
<i>For >100, Deduct</i>	-2.89	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	18.74	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.94	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	23.19	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.82	
<i>For >100, Deduct</i>	-3.63	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	29.99	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.22	
<i>For >100, Deduct</i>	-4.44	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	35.42	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.48	
<i>For >100, Deduct</i>	-4.96	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod	48.29	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-3.27	
<i>For >100, Deduct</i>	-6.55	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod	69.00	
<i>For >10 To 50, Deduct</i>	-1.74	
<i>For >50 To 100, Deduct</i>	-4.33	
<i>For >100, Deduct</i>	-8.66	
05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod <small>(05 05 19 00-0169)</small>		
Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Excludes bolt, dowel or rod.		
05 05 19 00-0182 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	9.77	
<i>For >10 To 50, Deduct</i>	-0.47	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.91	
05 05 19 00-0183 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	12.24	
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.39	
05 05 19 00-0184 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	13.90	
<i>For >10 To 50, Deduct</i>	-0.67	
<i>For >50 To 100, Deduct</i>	-1.35	
<i>For >100, Deduct</i>	-2.70	
05 05 19 00-0185 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.83	
<i>For >10 To 50, Deduct</i>	-0.83	
<i>For >50 To 100, Deduct</i>	-1.68	
<i>For >100, Deduct</i>	-3.37	
05 05 19 00-0186 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	21.95	
<i>For >10 To 50, Deduct</i>	-0.98	
<i>For >50 To 100, Deduct</i>	-2.02	
<i>For >100, Deduct</i>	-4.04	
05 05 19 00-0187 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.35	
<i>For >10 To 50, Deduct</i>	-1.06	
<i>For >50 To 100, Deduct</i>	-2.20	
<i>For >100, Deduct</i>	-4.41	
05 05 19 00-0188 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	32.21	
<i>For >10 To 50, Deduct</i>	-1.38	
<i>For >50 To 100, Deduct</i>	-2.87	
<i>For >100, Deduct</i>	-5.74	
05 05 19 00-0189 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	36.89	
<i>For >10 To 50, Deduct</i>	-1.56	
<i>For >50 To 100, Deduct</i>	-3.26	
<i>For >100, Deduct</i>	-6.52	
05 05 19 00-0190 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	42.20	
<i>For >10 To 50, Deduct</i>	-1.74	
<i>For >50 To 100, Deduct</i>	-3.66	
<i>For >100, Deduct</i>	-7.32	
05 05 19 00-0191 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	45.64	
<i>For >10 To 50, Deduct</i>	-1.82	
<i>For >50 To 100, Deduct</i>	-3.87	
<i>For >100, Deduct</i>	-7.73	

05 Metals**05 05 Common Work Results For Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.32	
For >10 To 50, Deduct	-1.90	
For >50 To 100, Deduct	-4.10	
For >100, Deduct	-8.20	
05 05 19 00-0193 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	59.69	
For >10 To 50, Deduct	-2.05	
For >50 To 100, Deduct	-4.57	
For >100, Deduct	-9.15	
05 05 19 00-0194 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	79.88	
For >10 To 50, Deduct	-2.13	
For >50 To 100, Deduct	-5.20	
For >100, Deduct	-10.39	
05 05 19 00-0195 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)		
05 05 19 00-0196 EA Grout Concrete Anchor Bolt or Threaded Rod.....	3.42	
For >10 To 50, Deduct	-0.17	
For >50 To 100, Deduct	-0.33	
For >100, Deduct	-0.67	
05 05 19 00-0197 Other Concrete And Masonry Anchors (05 05 19 00-0001)		
05 05 19 00-0198 Tapcon Masonry Screws (05 05 19 00-0197)		
Note: Includes drilling, Countersunk or hex head.		
05 05 19 00-0199 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	8.09	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.79	
For >100, Deduct	-1.59	
05 05 19 00-0200 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	8.14	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.59	
05 05 19 00-0201 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	8.24	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0202 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	8.14	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.59	
05 05 19 00-0203 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	8.20	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0204 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	8.33	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.80	
For >100, Deduct	-1.60	
05 05 19 00-0205 Large Diameter, Self-Threaded Concrete Fasteners (05 05 19 00-0197)		
Note: Includes drilling, Zinc plated.		
05 05 19 00-0206 EA 3/8" x 1-3/4", Large Diameter, Self-Threaded Concrete Fastener.....	8.57	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.61	
05 05 19 00-0207 EA 3/8" x 2-1/2", Large Diameter, Self-Threaded Concrete Fastener.....	8.81	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	
05 05 19 00-0208 EA 3/8" x 3", Large Diameter, Self-Threaded Concrete Fastener.....	8.88	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.81	
For >100, Deduct	-1.63	
05 05 19 00-0209 EA 3/8" x 4", Large Diameter, Self-Threaded Concrete Fastener.....	8.99	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.63	
05 05 19 00-0210 EA 3/8" x 5", Large Diameter, Self-Threaded Concrete Fastener.....	9.09	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.82	
For >100, Deduct	-1.64	
05 05 19 00-0211 EA 1/2" x 3", Large Diameter, Self-Threaded Concrete Fastener.....	9.30	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.65	
05 05 19 00-0212 EA 1/2" x 4", Large Diameter, Self-Threaded Concrete Fastener.....	9.56	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.83	
For >100, Deduct	-1.66	
05 05 19 00-0213 EA 1/2" x 5", Large Diameter, Self-Threaded Concrete Fastener.....	9.80	
For >10 To 50, Deduct	-0.40	
For >50 To 100, Deduct	-0.84	
For >100, Deduct	-1.68	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214	EA			1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	10.46	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.85	
				<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0215	EA			5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	10.54	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.86	
				<i>For >100, Deduct</i>	-1.71	
05 05 19 00-0216	EA			5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	10.95	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.87	
				<i>For >100, Deduct</i>	-1.73	
05 05 19 00-0217	EA			5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	11.37	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.88	
				<i>For >100, Deduct</i>	-1.75	
05 05 19 00-0218	EA			5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	11.64	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.88	
				<i>For >100, Deduct</i>	-1.77	
05 05 19 00-0219	EA			3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.52	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.88	
				<i>For >100, Deduct</i>	-1.76	
05 05 19 00-0220	EA			3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	11.90	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.89	
				<i>For >100, Deduct</i>	-1.78	
05 05 19 00-0221	EA			3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	12.81	
				<i>For >10 To 50, Deduct</i>	-0.40	
				<i>For >50 To 100, Deduct</i>	-0.91	
				<i>For >100, Deduct</i>	-1.83	
05 05 19 00-0222				Pin Bolt Drives <small>(05 05 19 00-0197)</small>		
				Note: Includes drilling. Zinc plated.		
05 05 19 00-0223	EA			1/4" x 1" Pin Bolt Drive.....	5.02	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.48	
				<i>For >100, Deduct</i>	-0.96	
05 05 19 00-0224	EA			1/4" x 1-1/4" Pin Bolt Drive.....	5.02	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.48	
				<i>For >100, Deduct</i>	-0.96	
05 05 19 00-0225	EA			1/4" x 1-1/2" Pin Bolt Drive.....	5.06	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.48	
				<i>For >100, Deduct</i>	-0.96	
05 05 19 00-0226	EA			1/4" x 2" Pin Bolt Drive.....	5.07	
				<i>For >10 To 50, Deduct</i>	-0.24	
				<i>For >50 To 100, Deduct</i>	-0.48	
				<i>For >100, Deduct</i>	-0.96	
05 05 19 00-0227				Powder Actuated, Shot-In Place Anchors With Exposed Thread <small>(05 05 19 00-0197)</small>		
05 05 19 00-0228	EA			1/4" Diameter Threaded Stud Powder Actuated Anchor.....	11.39	
				<i>For >10 To 50, Deduct</i>	-0.55	
				<i>For >50 To 100, Deduct</i>	-1.11	
				<i>For >100, Deduct</i>	-2.23	
05 05 19 00-0229	EA			3/8" Diameter Threaded Stud Powder Actuated Anchor.....	14.03	
				<i>For >10 To 50, Deduct</i>	-0.67	
				<i>For >50 To 100, Deduct</i>	-1.36	
				<i>For >100, Deduct</i>	-2.71	
05 05 23				Metal Fastenings <small>(05 05)</small>		
05 05 23 00-0001				Drilling In Steel Plates <small>(05 05 23)</small>		
05 05 23 00-0002	EA			>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	24.17	
				<i>For Aluminum, Deduct</i>	-2.42	
				<i>For Stainless Steel, Add</i>	3.02	
05 05 23 00-0003	EA			>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	32.37	
				<i>For Aluminum, Deduct</i>	-3.24	
				<i>For Stainless Steel, Add</i>	4.05	
05 05 23 00-0004	EA			>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.37	
				<i>For Aluminum, Deduct</i>	-3.24	
				<i>For Stainless Steel, Add</i>	4.05	
05 05 23 00-0005	EA			Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	21.58	
				<i>For Aluminum, Deduct</i>	-2.16	
				<i>For Stainless Steel, Add</i>	2.70	
05 05 23 00-0006	EA			>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	28.49	
				<i>For Aluminum, Deduct</i>	-2.85	
				<i>For Stainless Steel, Add</i>	3.56	
05 05 23 00-0007	EA			>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	34.53	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0008	Hex Bolts <small>(05 05 23)</small>		
	Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0259 for drilling into concrete, 02 41 19 13-0269 for drilling into brick or block, 02 41 19 13-0279 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.		
05 05 23 00-0009	A307B Heavy Hex Bolts <small>(05 05 23 00-0008)</small>		
	Note: Includes A307B heavy hex nut and two structural washers.		
05 05 23 00-0010	Plain Finish A307B Heavy Hex Bolts <small>(05 05 23 00-0009)</small>		
05 05 23 00-0011	EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt 10.33		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.93	
	For >100, Deduct	-1.85	
05 05 23 00-0012	EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt 11.15		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.95	
	For >100, Deduct	-1.90	
05 05 23 00-0013	EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt 11.17		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.95	
	For >100, Deduct	-1.90	
05 05 23 00-0014	EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt 13.19		1.22
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.09	
	For >100, Deduct	-2.19	
05 05 23 00-0015	EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt 12.54		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.98	
	For >100, Deduct	-1.97	
05 05 23 00-0016	EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt 14.89		1.22
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.14	
	For >100, Deduct	-2.27	
05 05 23 00-0017	EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt 18.23		1.28
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.25	
	For >100, Deduct	-2.51	
05 05 23 00-0018	EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt 19.52		1.35
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.33	
	For >100, Deduct	-2.66	
05 05 23 00-0019	EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt 14.76		1.16
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.10	
	For >100, Deduct	-2.19	
05 05 23 00-0020	EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt 17.51		1.28
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.24	
	For >100, Deduct	-2.47	
05 05 23 00-0021	EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt 20.25		1.35
	For >10 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-1.35	
	For >100, Deduct	-2.69	
05 05 23 00-0022	EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt 27.76		1.41
	For >10 To 50, Deduct	-0.59	
	For >50 To 100, Deduct	-1.58	
	For >100, Deduct	-3.15	
05 05 23 00-0023	EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt 32.37		1.59
	For >10 To 50, Deduct	-0.66	
	For >50 To 100, Deduct	-1.81	
	For >100, Deduct	-3.61	
05 05 23 00-0024	EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt 36.23		1.71
	For >10 To 50, Deduct	-0.71	
	For >50 To 100, Deduct	-1.97	
	For >100, Deduct	-3.95	
05 05 23 00-0025	Galvanized A307B Heavy Hex Bolts <small>(05 05 23 00-0009)</small>		
05 05 23 00-0026	EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt 10.74		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.94	
	For >100, Deduct	-1.88	
05 05 23 00-0027	EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt 11.42		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.95	
	For >100, Deduct	-1.91	
05 05 23 00-0028	EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt 12.16		1.07
	For >10 To 50, Deduct	-0.45	
	For >50 To 100, Deduct	-0.97	
	For >100, Deduct	-1.95	
05 05 23 00-0029	EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt 14.18		1.22
	For >10 To 50, Deduct	-0.51	
	For >50 To 100, Deduct	-1.12	
	For >100, Deduct	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0030 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	13.66	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-1.01	
<i>For >100, Deduct</i>	-2.02	
05 05 23 00-0031 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	16.96	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.38	
05 05 23 00-0032 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	21.81	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.34	
<i>For >100, Deduct</i>	-2.69	
05 05 23 00-0033 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	25.30	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.47	
<i>For >100, Deduct</i>	-2.95	
05 05 23 00-0034 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	17.70	1.16
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.34	
05 05 23 00-0035 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	20.82	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.32	
<i>For >100, Deduct</i>	-2.64	
05 05 23 00-0036 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	24.52	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.45	
<i>For >100, Deduct</i>	-2.91	
05 05 23 00-0037 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	35.51	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.77	
<i>For >100, Deduct</i>	-3.54	
05 05 23 00-0038 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	35.84	1.59
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.89	
<i>For >100, Deduct</i>	-3.79	
05 05 23 00-0039 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	44.25	1.71
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-2.17	
<i>For >100, Deduct</i>	-4.35	
05 05 23 00-0040 A325 High Strength Structural Bolts <small>(05 05 23 00-0008)</small>		
<i>Note: Includes A325 heavy hex nut and two structural washers.</i>		
05 05 23 00-0041 Plain Finish A325 High Strength Structural Bolts <small>(05 05 23 00-0040)</small>		
<i>Note: Includes A325 heavy hex nut and structural washer.</i>		
05 05 23 00-0042 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.14	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.92	
<i>For >100, Deduct</i>	-1.85	
05 05 23 00-0043 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	10.32	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.93	
<i>For >100, Deduct</i>	-1.85	
05 05 23 00-0044 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	10.90	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.94	
<i>For >100, Deduct</i>	-1.88	
05 05 23 00-0045 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	13.21	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.09	
<i>For >100, Deduct</i>	-2.19	
05 05 23 00-0046 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.04	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100, Deduct</i>	-2.35	
05 05 23 00-0047 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	11.70	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.96	
<i>For >100, Deduct</i>	-1.92	
05 05 23 00-0048 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	14.06	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.12	
<i>For >100, Deduct</i>	-2.23	
05 05 23 00-0049 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	15.80	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100, Deduct</i>	-2.39	
05 05 23 00-0050 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.01	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.32	
<i>For >100, Deduct</i>	-2.63	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0051	EA		7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.44	1.16
			<i>For >10 To 50, Deduct</i>	-0.48	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100, Deduct</i>	-2.12	
05 05 23 00-0052	EA		7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	16.11	1.28
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.20	
			<i>For >100, Deduct</i>	-2.40	
05 05 23 00-0053	EA		7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	18.18	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.29	
			<i>For >100, Deduct</i>	-2.59	
05 05 23 00-0054	EA		7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	19.62	1.41
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.37	
			<i>For >100, Deduct</i>	-2.75	
05 05 23 00-0055	EA		1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	14.71	1.21
			<i>For >10 To 50, Deduct</i>	-0.50	
			<i>For >50 To 100, Deduct</i>	-1.12	
			<i>For >100, Deduct</i>	-2.24	
05 05 23 00-0056	EA		1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	17.50	1.35
			<i>For >10 To 50, Deduct</i>	-0.56	
			<i>For >50 To 100, Deduct</i>	-1.28	
			<i>For >100, Deduct</i>	-2.56	
05 05 23 00-0057	EA		1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	20.00	1.41
			<i>For >10 To 50, Deduct</i>	-0.59	
			<i>For >50 To 100, Deduct</i>	-1.38	
			<i>For >100, Deduct</i>	-2.77	
05 05 23 00-0058	EA		1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	25.04	1.50
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.57	
			<i>For >100, Deduct</i>	-3.13	
05 05 23 00-0059	EA		1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	24.03	1.50
			<i>For >10 To 50, Deduct</i>	-0.63	
			<i>For >50 To 100, Deduct</i>	-1.54	
			<i>For >100, Deduct</i>	-3.08	
05 05 23 00-0060	EA		1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	27.05	1.59
			<i>For >10 To 50, Deduct</i>	-0.66	
			<i>For >50 To 100, Deduct</i>	-1.67	
			<i>For >100, Deduct</i>	-3.35	
05 05 23 00-0061	EA		1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.43	1.71
			<i>For >10 To 50, Deduct</i>	-0.71	
			<i>For >50 To 100, Deduct</i>	-1.85	
			<i>For >100, Deduct</i>	-3.71	
05 05 23 00-0062	EA		1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	36.58	1.82
			<i>For >10 To 50, Deduct</i>	-0.76	
			<i>For >50 To 100, Deduct</i>	-2.05	
			<i>For >100, Deduct</i>	-4.11	
05 05 23 00-0063			Galvanized A325 High Strength Structural Bolts <small>(05 05 23 00-0040)</small>		
			Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0064	EA		1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt.....	10.51	1.07
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.86	
05 05 23 00-0065	EA		1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	10.63	1.07
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.93	
			<i>For >100, Deduct</i>	-1.87	
05 05 23 00-0066	EA		5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	11.66	1.07
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.96	
			<i>For >100, Deduct</i>	-1.92	
05 05 23 00-0067	EA		5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	13.75	1.22
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.11	
			<i>For >100, Deduct</i>	-2.22	
05 05 23 00-0068	EA		5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	14.52	1.28
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.16	
			<i>For >100, Deduct</i>	-2.32	
05 05 23 00-0069	EA		3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	12.05	1.07
			<i>For >10 To 50, Deduct</i>	-0.45	
			<i>For >50 To 100, Deduct</i>	-0.97	
			<i>For >100, Deduct</i>	-1.94	
05 05 23 00-0070	EA		3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	14.50	1.22
			<i>For >10 To 50, Deduct</i>	-0.51	
			<i>For >50 To 100, Deduct</i>	-1.13	
			<i>For >100, Deduct</i>	-2.25	
05 05 23 00-0071	EA		3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	16.48	1.28
			<i>For >10 To 50, Deduct</i>	-0.53	
			<i>For >50 To 100, Deduct</i>	-1.21	
			<i>For >100, Deduct</i>	-2.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0072 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	20.63	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.36	
<i>For >100, Deduct</i>	-2.71	
05 05 23 00-0073 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	15.54	1.16
<i>For >10 To 50, Deduct</i>	-0.48	
<i>For >50 To 100, Deduct</i>	-1.11	
<i>For >100, Deduct</i>	-2.23	
05 05 23 00-0074 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	17.35	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.23	
<i>For >100, Deduct</i>	-2.46	
05 05 23 00-0075 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	19.68	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.33	
<i>For >100, Deduct</i>	-2.66	
05 05 23 00-0076 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	24.13	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.49	
<i>For >100, Deduct</i>	-2.97	
05 05 23 00-0077 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.34	1.21
<i>For >10 To 50, Deduct</i>	-0.50	
<i>For >50 To 100, Deduct</i>	-1.16	
<i>For >100, Deduct</i>	-2.33	
05 05 23 00-0078 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.24	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	
05 05 23 00-0079 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	23.13	1.41
<i>For >10 To 50, Deduct</i>	-0.59	
<i>For >50 To 100, Deduct</i>	-1.46	
<i>For >100, Deduct</i>	-2.92	
05 05 23 00-0080 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	28.90	1.50
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100, Deduct</i>	-3.32	
05 05 23 00-0081 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	28.74	1.50
<i>For >10 To 50, Deduct</i>	-0.63	
<i>For >50 To 100, Deduct</i>	-1.66	
<i>For >100, Deduct</i>	-3.32	
05 05 23 00-0082 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	30.65	1.59
<i>For >10 To 50, Deduct</i>	-0.66	
<i>For >50 To 100, Deduct</i>	-1.76	
<i>For >100, Deduct</i>	-3.53	
05 05 23 00-0083 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.56	1.71
<i>For >10 To 50, Deduct</i>	-0.71	
<i>For >50 To 100, Deduct</i>	-1.96	
<i>For >100, Deduct</i>	-3.91	
05 05 23 00-0084 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	40.89	1.82
<i>For >10 To 50, Deduct</i>	-0.76	
<i>For >50 To 100, Deduct</i>	-2.16	
<i>For >100, Deduct</i>	-4.32	
05 05 23 00-0085 A490 High Strength Structural Bolts <small>(05 05 23 00-0085)</small>		
<i>Note: Includes A490 heavy hex nut and two structural washers.</i>		
05 05 23 00-0086 Plain Finish A490 High Strength Structural Bolts <small>(05 05 23 00-0086)</small>		
05 05 23 00-0087 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	11.19	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100, Deduct</i>	-1.90	
05 05 23 00-0088 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	15.17	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.14	
<i>For >100, Deduct</i>	-2.29	
05 05 23 00-0089 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.17	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.20	
<i>For >100, Deduct</i>	-2.41	
05 05 23 00-0090 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	12.30	1.07
<i>For >10 To 50, Deduct</i>	-0.45	
<i>For >50 To 100, Deduct</i>	-0.98	
<i>For >100, Deduct</i>	-1.95	
05 05 23 00-0091 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	14.73	1.22
<i>For >10 To 50, Deduct</i>	-0.51	
<i>For >50 To 100, Deduct</i>	-1.13	
<i>For >100, Deduct</i>	-2.26	
05 05 23 00-0092 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	16.88	1.28
<i>For >10 To 50, Deduct</i>	-0.53	
<i>For >50 To 100, Deduct</i>	-1.22	
<i>For >100, Deduct</i>	-2.44	
05 05 23 00-0093 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	21.12	1.35
<i>For >10 To 50, Deduct</i>	-0.56	
<i>For >50 To 100, Deduct</i>	-1.37	
<i>For >100, Deduct</i>	-2.74	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0094 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	14.12	1.16
For >10 To 50, Deduct	-0.48	
For >50 To 100, Deduct	-1.08	
For >100, Deduct	-2.16	
05 05 23 00-0095 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	16.32	1.28
For >10 To 50, Deduct	-0.53	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.41	
05 05 23 00-0096 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	22.59	1.35
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.81	
05 05 23 00-0097 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	16.30	1.21
For >10 To 50, Deduct	-0.50	
For >50 To 100, Deduct	-1.16	
For >100, Deduct	-2.32	
05 05 23 00-0098 EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	19.29	1.35
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.32	
For >100, Deduct	-2.64	
05 05 23 00-0099 EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	21.93	1.41
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.86	
05 05 23 00-0100 EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	26.88	1.50
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.22	
05 05 23 00-0101 EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	33.85	1.59
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.84	
For >100, Deduct	-3.69	
05 05 23 00-0102 EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	35.67	1.71
For >10 To 50, Deduct	-0.71	
For >50 To 100, Deduct	-1.96	
For >100, Deduct	-3.92	
05 05 23 00-0103 EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	37.31	1.82
For >10 To 50, Deduct	-0.76	
For >50 To 100, Deduct	-2.07	
For >100, Deduct	-4.14	
05 05 23 00-0104 Hex Head Bolts (05 05 23 00-0098)		
05 05 23 00-0105 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0104)		
05 05 23 00-0106 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0105)		
05 05 23 00-0107 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	4.99	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0108 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.01	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0109 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.05	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0110 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0111 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.25	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0112 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.26	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0113 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.33	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0114 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0115 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.50	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0116 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.61	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0117 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0118 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.91	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0119 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.03	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0120 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.42	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0121 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0122 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.63	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0123 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0124 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.03	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0125 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.05	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0126 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.09	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0127 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.12	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0128 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.30	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0129 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.37	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0130 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.40	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0131 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.61	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0132 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.71	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0133 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.75	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0134 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.92	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0135 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.96	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0136 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0137 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.70	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0138 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.87	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0139 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.03	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0140 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
<small>23 00-0105)</small>		
05 05 23 00-0141 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.08	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0142 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.10	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0143 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.15	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0144 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0145 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.39	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0146 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0147 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.57	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0148 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.80	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0149 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.92	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0150 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.98	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0151 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.24	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0152 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.31	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0153 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.35	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0154 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0155 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.61	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0156 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.72	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0157 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05		
<small>23 00-0105)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0158 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.01	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0159 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.09	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0160 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0161 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0162 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.45	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0163 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.54	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0164 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0165 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.98	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0166 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.12	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0167 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0168 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.54	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0169 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.71	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0170 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0171 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.08	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0172 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0173 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0174 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.95	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0175 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.04	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0176 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.13	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0177 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.37	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0178 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.46	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0179	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.55	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0180	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.81	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0181	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0182	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.10	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0183	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.27	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0184	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.29	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0185	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.45	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0186	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0187	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.83	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0188	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.10	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0189	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.37	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0190	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.47	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0191	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.85	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0192	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.96	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0193			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0194	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.04	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0195	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.16	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0196	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0197	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.73	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0198	EA		9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.89	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0199	EA		9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.94	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0200 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.10	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0201 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.14	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0202 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.28	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0203 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.45	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0204 EA 9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0205 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0206 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.87	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0207 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.02	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0208 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0209 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0210 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.59	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0211 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.70	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0212 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.88	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0213 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0214 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.01	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0215 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.09	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0216 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.20	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0217 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.48	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0218 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0219 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.83	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0220 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.22	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0221	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.52	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0222	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0223	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.99	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0224	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.02	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0225	EA		5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.42	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0226	EA		5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.78	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0227	EA		5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0228	EA		5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.46	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0229	EA		5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.00	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0230	EA		5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.36	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0231	EA		5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.73	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0232	EA		5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.01	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0233			3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>	7.28	
05 05 23 00-0234	EA		3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.28	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0235	EA		3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0236	EA		3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.59	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0237	EA		3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0238	EA		3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.15	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0239	EA		3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0240	EA		3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.72	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0241	EA		3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.00	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0242 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.23	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0243 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.84	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0244 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.02	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0245 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0246 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0247 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.36	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0248 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.74	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0249 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.39	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0250 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0251 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.28	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0252 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.78	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0253 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>23 00-0105</small> <small>(05 05)</small>		
05 05 23 00-0254 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.84	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0255 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.98	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0256 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.04	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0257 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.38	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0258 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.75	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0259 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.19	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0260 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.70	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0261 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.33	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0262 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.69	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0263	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.11	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0264	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.31	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0265	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0266	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.46	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0267	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.97	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0268	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.47	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0269	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.09	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0270	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.62	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0271	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.11	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0272	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.63	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0273			1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0105)</small>		
05 05 23 00-0274	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.46	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0275	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.38	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0276	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0277	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0278	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.49	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0279	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0280	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.95	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0281	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.61	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0282	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.08	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0283	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.40	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0284 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.95	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0285 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.65	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0286 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.19	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0287 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.77	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0288 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.36	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0289 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.01	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0290 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.58	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0291 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.15	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0292 Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0293 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0294 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.03	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0295 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.05	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0296 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.08	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0297 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.13	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0298 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.32	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0299 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.40	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0300 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.50	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0301 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.71	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0302 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0303 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.91	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0304 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.13	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0305 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.21	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0306	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.28	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0307	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.53	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0308	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.63	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0309	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0310			5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0292)	5.08	
05 05 23 00-0311	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.08	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0312	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.10	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0313	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.14	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0314	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.20	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0315	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.39	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0316	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.48	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0317	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.62	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0318	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0319	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.95	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0320	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.06	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0321	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.41	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0322	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.45	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0323	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0324	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0325	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.12	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0326	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.31	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0327 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0328 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.11	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0329 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.13	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0330 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.20	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0331 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.27	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0332 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.48	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0333 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.56	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0334 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.69	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0335 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.97	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0336 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.27	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0337 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.40	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0338 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.72	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0339 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.85	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0340 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.07	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0341 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.39	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0342 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.69	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0343 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.93	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0344 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0345 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	5.96	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-0346 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.02	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-0347 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.17	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-0348 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.43	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0349 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.54	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-0350 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.65	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-0351 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.92	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-0352 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.52	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-0353 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-0354 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0355 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.12	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0356 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.25	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-0357 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.56	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.86	
05 05 23 00-0358 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.74	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.86	
05 05 23 00-0359 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.91	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.86	
05 05 23 00-0360 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0292)		
05 05 23 00-0361 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.04	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-0362 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.12	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-0363 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.21	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-0364 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.49	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-0365 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.63	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-0366 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	6.77	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-0367 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.04	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-0368 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.50	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-0369 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.53	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0370 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.99	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0371 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.17	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0372 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.63	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0373 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.19	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0374 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.46	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0375 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.55	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0376 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.17	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0377 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.63	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0378 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.28	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0379 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.52	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0380 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0381 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.29	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0382 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.44	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0383 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.58	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0384 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	6.87	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0385 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.06	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0386 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0387 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.64	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0388 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.46	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0389 EA 9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.66	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0390 EA 9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.04	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.26	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0392	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.01	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0393	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.08	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0394	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.38	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0395	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.90	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0396	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.53	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0397	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.72	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0398	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.90	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0399	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.37	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0400			5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0292)		
05 05 23 00-0401	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.15	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0402	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.20	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0403	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.25	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0404	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.53	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0405	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	7.78	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0406	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.00	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0407	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.38	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0408	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.81	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0409	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.04	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0410	EA		5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.30	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0411	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.68	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0412 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.27	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0413 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.95	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0414 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.44	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0415 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.51	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0416 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.54	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0417 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.20	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0418 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.16	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0419 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.50	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0420 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0292)		
05 05 23 00-0421 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.70	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0422 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.80	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0423 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.86	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0424 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.20	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0425 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.45	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0426 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.83	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0427 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.22	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0428 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.46	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0429 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.97	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0430 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.34	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0431 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.76	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0432 EA 3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.28	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0433	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.14	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0434	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.68	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0435	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.98	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0436	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.91	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0437	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.18	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0438	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.06	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0439	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.28	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0440			7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>	9.10	
05 05 23 00-0441	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.10	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0442	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0443	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.39	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0444	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0445	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.20	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0446	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.53	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0447	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.91	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0448	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.50	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0449	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.94	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0450	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.29	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0451	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.66	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0452	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.23	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0453	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.94	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0454 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.63	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0455 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.67	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0456 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.81	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0457 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.49	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0458 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.06	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0459 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.64	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0460 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0292)</small>		
05 05 23 00-0461 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.20	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0462 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.24	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0463 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.76	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0464 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.24	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0465 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.59	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0466 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.18	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0467 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.75	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0468 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.56	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0469 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.29	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0470 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.46	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0471 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.60	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0472 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.47	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0473 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.69	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0474 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.03	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0475	EA		1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.07	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0476	EA		1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.37	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0477	EA		1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.21	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0478	EA		1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.78	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0479			Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0104)		
05 05 23 00-0480			1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0479)		
05 05 23 00-0481	EA		1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.04	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0482	EA		1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.10	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0483	EA		1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.13	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0484	EA		1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.19	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0485	EA		1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.37	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0486	EA		1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.44	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0487	EA		1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.50	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0488	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.65	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0489	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.84	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0490	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.01	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0491	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.24	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0492	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0493	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.46	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0494	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.69	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0495	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.92	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0496	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.03	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0497 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0498 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.09	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0499 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.12	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0500 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.24	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0501 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.26	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0502 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.46	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0503 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.63	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0504 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.68	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-0505 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.91	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0506 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.02	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0507 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.26	
For >100 To 250, Deduct	-1.04	
For >250 To 500, Deduct	-1.30	
For >500, Deduct	-1.56	
05 05 23 00-0508 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.54	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0509 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.63	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0510 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.77	
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.61	
05 05 23 00-0511 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.02	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0512 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.13	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0513 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.33	
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.38	
For >500, Deduct	-1.65	
05 05 23 00-0514 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0515 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.21	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0516 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.22	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0517 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	5.23	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0518	EA		3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.36	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0519	EA		3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.58	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0520	EA		3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.71	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0521	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	5.83	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0522	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0523	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.49	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0524	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.52	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0525	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.72	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0526	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.89	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0527	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.62	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0528	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.94	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0529	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.28	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0530	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.05	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0531			7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0532	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.05	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0533	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.07	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0534	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.27	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0535	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.43	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0536	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.66	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0537	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.79	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0538	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.96	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0539 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.47	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0540 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.88	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0541 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.29	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0542 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.43	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0543 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.64	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0544 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.10	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0545 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.78	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0546 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.83	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0547 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0479)		
05 05 23 00-0548 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.18	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0549 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.33	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0550 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.43	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0551 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	6.66	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0552 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.83	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0553 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.20	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0554 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.61	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0555 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.82	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0556 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.98	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0557 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.39	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0558 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.86	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0559 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.30	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0560	EA		1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.82	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0561	EA		1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.01	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0562	EA		1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.55	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0563	EA		1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.59	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0564	EA		1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.98	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0565	EA		1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.18	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0566	EA		1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.15	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0567			9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0568	EA		9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.32	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0569	EA		9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.41	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0570	EA		9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	6.62	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0571	EA		9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.07	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0572	EA		9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0573	EA		9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.45	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0574	EA		9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.80	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0575	EA		9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.80	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0576	EA		9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.00	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0577	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.29	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0578	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.73	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0579	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.37	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0580	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.44	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0581 EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.82	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0582 EA 9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.40	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0583 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0584 EA 5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.34	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0585 EA 5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	7.44	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0586 EA 5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.67	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0587 EA 5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.14	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0588 EA 5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.42	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0589 EA 5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.57	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0590 EA 5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.82	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0591 EA 5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.31	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0592 EA 5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.53	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0593 EA 5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.90	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0594 EA 5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.14	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0595 EA 5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.62	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0596 EA 5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.92	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0597 EA 5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.47	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0598 EA 5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.70	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0599 EA 5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.83	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0600 EA 5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.92	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0601 EA 5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.00	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0602	EA		5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.01	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0603			3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0479)		
05 05 23 00-0604	EA		3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.86	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0605	EA		3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.96	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0606	EA		3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.03	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0607	EA		3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.31	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0608	EA		3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.51	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0609	EA		3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.10	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0610	EA		3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.49	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0611	EA		3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.54	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0612	EA		3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.35	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0613	EA		3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.78	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0614	EA		3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.20	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0615	EA		3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.99	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0616	EA		3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.09	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0617	EA		3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.51	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0618	EA		3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.72	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0619	EA		3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.90	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0620	EA		3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.66	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0621	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.21	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0622	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.42	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0623 7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0624 EA 7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.99	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.11	
05 05 23 00-0625 EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.25	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.11	
05 05 23 00-0626 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.78	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.80	
For >500, Deduct	-2.16	
05 05 23 00-0627 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.56	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.80	
For >500, Deduct	-2.16	
05 05 23 00-0628 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.65	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.80	
For >500, Deduct	-2.16	
05 05 23 00-0629 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.96	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0630 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.84	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0631 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.32	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0632 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.58	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0633 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.28	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0634 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.11	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0635 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.85	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.28	
05 05 23 00-0636 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.73	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.28	
05 05 23 00-0637 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.49	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.28	
05 05 23 00-0638 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.23	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0639 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.45	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0640 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.64	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0641 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.09	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0642 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0479)</small>		
05 05 23 00-0643 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.73	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.11	
05 05 23 00-0644 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.38	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-1.76	
For >500, Deduct	-2.11	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0645	EA		1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.82	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0646	EA		1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.31	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0647	EA		1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.22	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0648	EA		1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.60	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0649	EA		1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.39	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0650	EA		1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.44	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0651	EA		1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.07	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0652	EA		1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.51	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0653	EA		1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.71	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0654	EA		1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.19	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0655	EA		1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.67	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0656	EA		1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.10	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0657	EA		1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.56	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0658	EA		1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.28	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0659	EA		1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.17	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0660	EA		1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.33	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0661			Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0662			1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0663	EA		1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.12	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0664	EA		1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.13	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0665	EA		1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.14	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0666 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.27	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0667 EA 1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.48	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0668 EA 1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.56	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0669 EA 1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.59	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0670 EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.74	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0671 EA 1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.83	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0672 EA 1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.86	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0673 EA 1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.06	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0674 EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.15	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0675 EA 1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.17	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0676 EA 1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.40	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0677 EA 1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.62	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0678 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.91	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0679 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0680 EA 5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.06	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0681 EA 5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.32	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0682 EA 5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.34	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0683 EA 5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.35	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0684 EA 5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.61	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0685 EA 5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0686 EA 5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.89	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0687	EA		5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.10	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0688	EA		5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.13	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0689	EA		5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.32	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0690	EA		5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.51	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0691	EA		5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.59	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0692	EA		5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.77	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0693	EA		5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.30	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0694	EA		5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0695	EA		5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.88	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0696			3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0697	EA		3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.14	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0698	EA		3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.20	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0699	EA		3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.26	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0700	EA		3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.42	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0701	EA		3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.63	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0702	EA		3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.76	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0703	EA		3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	5.85	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0704	EA		3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.12	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0705	EA		3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.19	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0706	EA		3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.34	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0707	EA		3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.55	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0708 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.77	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0709 EA 3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.81	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0710 EA 3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.97	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0711 EA 3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.99	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0712 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.25	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0713 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0714 EA 7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.24	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0715 EA 7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.52	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0716 EA 7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0717 EA 7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.24	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0718 EA 7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.26	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0719 EA 7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.28	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0720 EA 7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.60	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0721 EA 7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.80	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0722 EA 7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0723 EA 7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0724 EA 7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0725 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0726 EA 1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.11	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0727 EA 1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.20	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0728 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.39	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0729	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.74	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0730	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	6.88	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0731	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0732	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.33	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0733	EA		1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.43	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0734	EA		1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.64	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0735	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.88	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0736	EA		1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.11	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0737	EA		1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0738	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.32	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0739	EA		1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.38	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0740	EA		1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0741	EA		1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.54	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0742	EA		1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.68	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0743	EA		1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.71	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0744	EA		1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.79	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0745			5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0746	EA		5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.14	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0747	EA		5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.28	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0748	EA		5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.38	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0749	EA		5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.68	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0750 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.89	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0751 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.36	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0752 EA 5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.57	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0753 EA 5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.65	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0754 EA 5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.80	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0755 EA 5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.12	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0756 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.29	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0757 EA 5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.77	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0758 EA 5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0759 EA 5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.78	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0760 EA 5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.02	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0761 EA 5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0762 EA 5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.92	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0763 EA 5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0764 EA 5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.89	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0765 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0766 EA 3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.82	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0767 EA 3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.86	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0768 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.03	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0769 EA 3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.56	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0770 EA 3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.21	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0771	EA		3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.63	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0772	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0773	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0774	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0775	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.32	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0776	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.88	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0777	EA		3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.11	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0778	EA		3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.70	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0779	EA		3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.78	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0780	EA		3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.00	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0781	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.48	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0782	EA		3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.72	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0783	EA		3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.85	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0784	EA		3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.92	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	

05 05 23 00-0785 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0661)

05 05 23 00-0786	EA		7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.88	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0787	EA		7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.15	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0788	EA		7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0789	EA		7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.85	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0790	EA		7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0791	EA		7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792 EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0793 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.14	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0794 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.55	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0795 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.84	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0796 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.15	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0797 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.62	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0798 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.16	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0799 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.29	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0800 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.57	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0801 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.87	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0802 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.25	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0803 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.60	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0804 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0661)</small>		
05 05 23 00-0805 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.76	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0806 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.00	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0807 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0808 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.90	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0809 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.95	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0810 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.15	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0811 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.73	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0812 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.93	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0813	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.15	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0814	EA		1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.14	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0815	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.65	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0816	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.49	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0817	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.31	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0818	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.70	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0819	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.37	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0820	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.87	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0821	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.63	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0822			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0823			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0824	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.07	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0825	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.12	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0826	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.19	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0827	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.26	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0828	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.48	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0829	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.59	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0830	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.72	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0831	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.95	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0832	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.11	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0833	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.25	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0834	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.51	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0835 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.75	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0836 EA 1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0837 EA 1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.18	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0838 EA 1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.31	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0839 EA 1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.64	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0840 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0841 EA 5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.17	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0842 EA 5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.22	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0843 EA 5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.32	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0844 EA 5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.40	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0845 EA 5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.69	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0846 EA 5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.75	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0847 EA 5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.01	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0848 EA 5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.34	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0849 EA 5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.64	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0850 EA 5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.79	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0851 EA 5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.39	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0852 EA 5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.14	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0853 EA 5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.85	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0854 EA 5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.77	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0855 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0856	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.30	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0857	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.36	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0858	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.52	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0859	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.73	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-0860	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	5.97	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0861	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.13	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0862	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.35	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-0863	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.69	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0864	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.94	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0865	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.51	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-0866	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.71	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0867	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.18	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0868	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.17	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-0869	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.55	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0870	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.69	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0871	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.68	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-0872			7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>	6.53	
05 05 23 00-0873	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.53	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0874	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.60	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0875	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.86	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0876	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.16	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0877 EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.48	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0878 EA 7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.00	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0879 EA 7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.38	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0880 EA 7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.00	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0881 EA 7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.26	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0882 EA 7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.24	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0883 EA 7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.18	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0884 EA 7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.31	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0885 EA 7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.56	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0886 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>	6.52	
EA 1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.52	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
EA 1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	6.60	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.01	
<i>For >100 To 250, Deduct</i>	-1.13	
<i>For >250 To 500, Deduct</i>	-1.41	
<i>For >500, Deduct</i>	-1.69	
EA 1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.32	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
EA 1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.69	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
EA 1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.90	
<i>For >100 To 250, Deduct</i>	-1.16	
<i>For >250 To 500, Deduct</i>	-1.45	
<i>For >500, Deduct</i>	-1.73	
EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.28	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
EA 1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.46	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
EA 1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.44	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.86	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.30	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0898	EA		1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.80	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0899	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.68	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0900	EA		1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.98	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0901	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.46	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-0902	EA		1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.90	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0903	EA		1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.09	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0904	EA		1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.40	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0905	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.70	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0906			9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0907	EA		9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.68	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0908	EA		9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.54	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0909	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.04	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-0910	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.48	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0911	EA		9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.01	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0912	EA		9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.94	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-0913	EA		9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.45	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0914	EA		9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.66	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0915	EA		9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.62	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-0916	EA		9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.68	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0917	EA		9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.74	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-0918			5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0919 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	7.95	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0920 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.15	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0921 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.96	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0922 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.24	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0923 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.63	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0924 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.18	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0925 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.02	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0926 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.03	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0927 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.65	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0928 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.14	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0929 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.71	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0930 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.76	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0931 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.03	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0932 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.96	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0933 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.38	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0934 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.24	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0935 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.78	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0936 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.23	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0937 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.23	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0938 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0822)</small>		
05 05 23 00-0939 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.84	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0940	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.23	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0941	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.73	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-0942	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.42	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0943	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.97	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0944	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.91	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-0945	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.60	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0946	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.48	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0947	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.17	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-0948	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.03	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0949	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.84	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0950	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.36	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-0951	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.55	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0952	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.84	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0953	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.60	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-0954	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.86	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0955	EA		3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.30	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0956	EA		3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.48	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0957	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.38	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0958			7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0822)	11.94	
05 05 23 00-0959	EA		7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.94	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0960	EA		7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.90	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0961 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	13.77	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0962 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.74	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0963 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.06	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0964 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	15.99	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0965 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.30	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0966 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.41	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-0967 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	18.86	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0968 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	19.67	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0969 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	24.13	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-0970 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	25.99	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0971 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	27.99	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0972 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	29.60	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-0973 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	34.64	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0974 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	38.56	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0975 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	40.37	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0976 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	42.18	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-0977 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0922)</small>		
05 05 23 00-0978 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.26	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0979 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	14.95	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-0980 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	16.14	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-0981 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	17.01	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0982 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.45	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-1.80	
For >500, Deduct	-2.16	
05 05 23 00-0983 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.21	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0984 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.22	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0985 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.71	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-1.83	
For >500, Deduct	-2.20	
05 05 23 00-0986 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.24	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0987 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.32	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0988 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.31	
For >100 To 250, Deduct	-1.49	
For >250 To 500, Deduct	-1.87	
For >500, Deduct	-2.24	
05 05 23 00-0989 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.49	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.28	
05 05 23 00-0990 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.23	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.28	
05 05 23 00-0991 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.99	
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-1.90	
For >500, Deduct	-2.28	
05 05 23 00-0992 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.63	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0993 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.93	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0994 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.37	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0995 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	61.55	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.33	
05 05 23 00-0996 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0104)</small>		
05 05 23 00-0997 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-0998 EA 1/4" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.17	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-0999 EA 1/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.28	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-1000 EA 1/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.36	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-1001 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.42	
For >100 To 250, Deduct	-0.99	
For >250 To 500, Deduct	-1.23	
For >500, Deduct	-1.48	
05 05 23 00-1002 EA 1/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.71	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	
05 05 23 00-1003 EA 1/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	5.86	
For >100 To 250, Deduct	-1.01	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1004 EA 1/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.00	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1005 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.25	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1006 EA 1/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.37	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1007 EA 1/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	6.43	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1008 EA 1/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.93	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1009 EA 1/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	7.03	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1010 EA 1/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.69	
<i>For >100 To 250, Deduct</i>	-1.07	
<i>For >250 To 500, Deduct</i>	-1.34	
<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1011 EA 1/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	15.27	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1012 EA 1/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.04	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1013 EA 1/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	27.26	
<i>For >100 To 250, Deduct</i>	-1.10	
<i>For >250 To 500, Deduct</i>	-1.38	
<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1014 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>	5.32	
05 05 23 00-1015 EA 5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.32	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1016 EA 5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	5.45	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1017 EA 5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.66	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1018 EA 5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	5.81	
<i>For >100 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.23	
<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1019 EA 5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.02	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1020 EA 5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	6.35	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1021 EA 5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.57	
<i>For >100 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1022 EA 5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	6.81	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1023 EA 5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.29	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1024 EA 5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	7.39	
<i>For >100 To 250, Deduct</i>	-1.04	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.56	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1025	EA		5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.86	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1026	EA		5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	8.24	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1027	EA		5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.35	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1028	EA		5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	15.92	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1029			3/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996).....	5.65	
05 05 23 00-1030	EA		3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt.....	5.65	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1031	EA		3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	5.70	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1032	EA		3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	5.90	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1033	EA		3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	6.36	
			<i>For >100 To 250, Deduct</i>	-0.99	
			<i>For >250 To 500, Deduct</i>	-1.23	
			<i>For >500, Deduct</i>	-1.48	
05 05 23 00-1034	EA		3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	6.67	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1035	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	6.75	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1036	EA		3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.15	
			<i>For >100 To 250, Deduct</i>	-1.01	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500, Deduct</i>	-1.52	
05 05 23 00-1037	EA		3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	7.35	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1038	EA		3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.61	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1039	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	7.78	
			<i>For >100 To 250, Deduct</i>	-1.04	
			<i>For >250 To 500, Deduct</i>	-1.30	
			<i>For >500, Deduct</i>	-1.56	
05 05 23 00-1040	EA		3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.49	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1041	EA		3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	9.17	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1042	EA		3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.20	
			<i>For >100 To 250, Deduct</i>	-1.07	
			<i>For >250 To 500, Deduct</i>	-1.34	
			<i>For >500, Deduct</i>	-1.61	
05 05 23 00-1043	EA		3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	11.08	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1044	EA		3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.90	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	
05 05 23 00-1045	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	16.94	
			<i>For >100 To 250, Deduct</i>	-1.10	
			<i>For >250 To 500, Deduct</i>	-1.38	
			<i>For >500, Deduct</i>	-1.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1046 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1047 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.14	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-1048 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.43	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-1049 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.98	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-1050 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.59	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-1051 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	9.12	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-1052 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.98	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-1053 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	10.94	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-1054 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.10	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-1055 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	11.41	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	
05 05 23 00-1056 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.76	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-1057 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	11.98	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-1058 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.21	
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-1.82	
05 05 23 00-1059 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	12.53	
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-1.86	
05 05 23 00-1060 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1061 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	7.12	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-1062 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	7.44	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-1063 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	7.88	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-1.69	
05 05 23 00-1064 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	8.55	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-1065 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	9.04	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-1066 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.16	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-1.73	
05 05 23 00-1067 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	9.50	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.48	
For >500, Deduct	-1.78	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1068	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.44	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-1069	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	12.34	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-1070	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.62	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1071	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	12.92	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1072	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.28	
			<i>For >100 To 250, Deduct</i>	-1.21	
			<i>For >250 To 500, Deduct</i>	-1.52	
			<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1073	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	16.99	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-1074	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.01	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-1075	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	19.70	
			<i>For >100 To 250, Deduct</i>	-1.24	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500, Deduct</i>	-1.86	
05 05 23 00-1076	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.30	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1077	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	27.18	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1078	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	27.66	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1079	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	28.39	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1080			9/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)	15.02	
05 05 23 00-1081	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	15.02	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-1082	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.05	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-1083	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	19.52	
			<i>For >100 To 250, Deduct</i>	-1.13	
			<i>For >250 To 500, Deduct</i>	-1.41	
			<i>For >500, Deduct</i>	-1.69	
05 05 23 00-1084	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.60	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1085	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	23.64	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1086	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.69	
			<i>For >100 To 250, Deduct</i>	-1.16	
			<i>For >250 To 500, Deduct</i>	-1.45	
			<i>For >500, Deduct</i>	-1.73	
05 05 23 00-1087	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	27.11	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	
05 05 23 00-1088	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.80	
			<i>For >100 To 250, Deduct</i>	-1.18	
			<i>For >250 To 500, Deduct</i>	-1.48	
			<i>For >500, Deduct</i>	-1.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1089 EA 9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	30.30	
<i>For >100 To 250, Deduct</i>	-1.18	
<i>For >250 To 500, Deduct</i>	-1.48	
<i>For >500, Deduct</i>	-1.78	
05 05 23 00-1090 EA 9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.88	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1091 EA 9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.20	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-1.52	
<i>For >500, Deduct</i>	-1.82	
05 05 23 00-1092 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1093 EA 5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.43	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1094 EA 5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.52	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1095 EA 5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	9.55	
<i>For >100 To 250, Deduct</i>	-1.27	
<i>For >250 To 500, Deduct</i>	-1.59	
<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1096 EA 5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.28	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-1097 EA 5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	10.89	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-1098 EA 5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.82	
<i>For >100 To 250, Deduct</i>	-1.30	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-1.94	
05 05 23 00-1099 EA 5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.36	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-1100 EA 5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.05	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-1101 EA 5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	15.64	
<i>For >100 To 250, Deduct</i>	-1.32	
<i>For >250 To 500, Deduct</i>	-1.66	
<i>For >500, Deduct</i>	-1.99	
05 05 23 00-1102 EA 5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.88	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1103 EA 5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	17.36	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1104 EA 5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.32	
<i>For >100 To 250, Deduct</i>	-1.35	
<i>For >250 To 500, Deduct</i>	-1.69	
<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1105 EA 5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	21.52	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1106 EA 5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.90	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1107 EA 5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	23.28	
<i>For >100 To 250, Deduct</i>	-1.38	
<i>For >250 To 500, Deduct</i>	-1.73	
<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1108 EA 5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.66	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1109 EA 5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	25.84	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	

05 Metals

05 05 Common Work Results For Metals

05 05 23 Metal Fastenings



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1110	EA		5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.42	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1111	EA		5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	37.38	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1112			3/4" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0996)</small>		
05 05 23 00-1113	EA		3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt.....	11.78	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1114	EA		3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.99	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1115	EA		3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	12.79	
			<i>For >100 To 250, Deduct</i>	-1.27	
			<i>For >250 To 500, Deduct</i>	-1.59	
			<i>For >500, Deduct</i>	-1.90	
05 05 23 00-1116	EA		3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.64	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-1117	EA		3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	15.14	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-1118	EA		3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.00	
			<i>For >100 To 250, Deduct</i>	-1.30	
			<i>For >250 To 500, Deduct</i>	-1.62	
			<i>For >500, Deduct</i>	-1.94	
05 05 23 00-1119	EA		3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	18.00	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-1120	EA		3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.76	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-1121	EA		3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	19.18	
			<i>For >100 To 250, Deduct</i>	-1.32	
			<i>For >250 To 500, Deduct</i>	-1.66	
			<i>For >500, Deduct</i>	-1.99	
05 05 23 00-1122	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.88	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1123	EA		3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	20.84	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1124	EA		3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.80	
			<i>For >100 To 250, Deduct</i>	-1.35	
			<i>For >250 To 500, Deduct</i>	-1.69	
			<i>For >500, Deduct</i>	-2.03	
05 05 23 00-1125	EA		3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	28.22	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1126	EA		3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.54	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1127	EA		3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	32.05	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500, Deduct</i>	-2.07	
05 05 23 00-1128	EA		3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.19	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1129	EA		3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	39.24	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1130	EA		3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.66	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1131 EA 3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	40.73	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1132 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)		
05 05 23 00-1133 EA 7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.24	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1134 EA 7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.63	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-1.76	
<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1135 EA 7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.54	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-1136 EA 7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	17.48	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-1137 EA 7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.35	
<i>For >100 To 250, Deduct</i>	-1.44	
<i>For >250 To 500, Deduct</i>	-1.80	
<i>For >500, Deduct</i>	-2.16	
05 05 23 00-1138 EA 7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	19.25	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1139 EA 7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.43	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1140 EA 7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	23.08	
<i>For >100 To 250, Deduct</i>	-1.47	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1141 EA 7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.29	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1142 EA 7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.17	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1143 EA 7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.57	
<i>For >100 To 250, Deduct</i>	-1.49	
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1144 EA 7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	34.99	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-1145 EA 7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.50	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-1146 EA 7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	40.23	
<i>For >100 To 250, Deduct</i>	-1.52	
<i>For >250 To 500, Deduct</i>	-1.90	
<i>For >500, Deduct</i>	-2.28	
05 05 23 00-1147 EA 7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.63	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1148 EA 7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	44.13	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1149 EA 7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.63	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1150 EA 7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	47.31	
<i>For >100 To 250, Deduct</i>	-1.55	
<i>For >250 To 500, Deduct</i>	-1.94	
<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1151 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0996)		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1152	EA		1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt.....	16.30	
			<i>For >100 To 250, Deduct</i>	-1.41	
			<i>For >250 To 500, Deduct</i>	-1.76	
			<i>For >500, Deduct</i>	-2.11	
05 05 23 00-1153	EA		1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.58	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-1154	EA		1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt.....	20.01	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-1155	EA		1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.30	
			<i>For >100 To 250, Deduct</i>	-1.44	
			<i>For >250 To 500, Deduct</i>	-1.80	
			<i>For >500, Deduct</i>	-2.16	
05 05 23 00-1156	EA		1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt.....	23.26	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1157	EA		1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.81	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1158	EA		1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt.....	26.38	
			<i>For >100 To 250, Deduct</i>	-1.47	
			<i>For >250 To 500, Deduct</i>	-1.83	
			<i>For >500, Deduct</i>	-2.20	
05 05 23 00-1159	EA		1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.09	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1160	EA		1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt.....	32.15	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1161	EA		1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	36.13	
			<i>For >100 To 250, Deduct</i>	-1.49	
			<i>For >250 To 500, Deduct</i>	-1.87	
			<i>For >500, Deduct</i>	-2.24	
05 05 23 00-1162	EA		1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt.....	41.73	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-1163	EA		1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.33	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-1164	EA		1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt.....	46.99	
			<i>For >100 To 250, Deduct</i>	-1.52	
			<i>For >250 To 500, Deduct</i>	-1.90	
			<i>For >500, Deduct</i>	-2.28	
05 05 23 00-1165	EA		1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.63	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1166	EA		1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt.....	49.25	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1167	EA		1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.87	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	
05 05 23 00-1168	EA		1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt.....	64.23	
			<i>For >100 To 250, Deduct</i>	-1.55	
			<i>For >250 To 500, Deduct</i>	-1.94	
			<i>For >500, Deduct</i>	-2.33	

05 05 23 00-1169 Screws (05 05 23)05 05 23 00-1170 Teks® 5 Self Drilling Screws (05 05 23 00-1169)

Note: Screws include Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1171	EA		12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.61	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100, Deduct</i>	-0.48	
05 05 23 00-1172	EA		12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	2.70	
			<i>For >10 To 50, Deduct</i>	-0.12	
			<i>For >50 To 100, Deduct</i>	-0.24	
			<i>For >100, Deduct</i>	-0.49	
05 05 23 00-1173	EA		12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw.....	3.00	
			<i>For >10 To 50, Deduct</i>	-0.13	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100, Deduct</i>	-0.53	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1174	EA			1/4"-28 x 3", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.06	
				<i>For >10 To 50, Deduct</i>	-0.16	
				<i>For >50 To 100, Deduct</i>	-0.34	
				<i>For >100, Deduct</i>	-0.67	
05 05 23 00-1175	EA			1/4"-28 x 4", Hex Washer Head, Teks® 5 Self Drilling Screw.....	4.32	
				<i>For >10 To 50, Deduct</i>	-0.16	
				<i>For >50 To 100, Deduct</i>	-0.35	
				<i>For >100, Deduct</i>	-0.71	
05 05 23 00-1176	EA			1/4"-28 x 6", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.22	
				<i>For >10 To 50, Deduct</i>	-0.17	
				<i>For >50 To 100, Deduct</i>	-0.39	
				<i>For >100, Deduct</i>	-0.78	
05 05 23 00-1177	EA			1/4"-28 x 8", Hex Washer Head, Teks® 5 Self Drilling Screw.....	5.80	
				<i>For >10 To 50, Deduct</i>	-0.18	
				<i>For >50 To 100, Deduct</i>	-0.42	
				<i>For >100, Deduct</i>	-0.83	
05 05 23 00-1178				Security Screws <small>(05 05 23 00-1169)</small>		
05 05 23 00-1179				304/18-8 Stainless Steel, Security Screws <small>(05 05 23 00-1178)</small>		
				Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1180	EA			#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws.....	2.06	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.20	
				<i>For >100, Deduct</i>	-0.40	
05 05 23 00-1181	EA			#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.28	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1182	EA			#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.46	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1183	EA			#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.52	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1184	EA			#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.64	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1185	EA			#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.32	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.41	
05 05 23 00-1186	EA			#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.41	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1187	EA			#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.60	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1188	EA			#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.65	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1189	EA			#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.38	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1190	EA			#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.40	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1191	EA			#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.48	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1192	EA			#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.73	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1193	EA			1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.52	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.42	
05 05 23 00-1194	EA			1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw.....	2.58	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.21	
				<i>For >100, Deduct</i>	-0.43	
05 05 23 00-1195	EA			1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw.....	2.82	
				<i>For >10 To 50, Deduct</i>	-0.10	
				<i>For >50 To 100, Deduct</i>	-0.22	
				<i>For >100, Deduct</i>	-0.44	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 05 23 00-1196	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw.....		3.20	
		<i>For >10 To 50, Deduct</i>		-0.10	
		<i>For >50 To 100, Deduct</i>		-0.23	
		<i>For >100, Deduct</i>		-0.46	
05 05 23 00-1197		Threaded Rod <small>(05 05 23)</small>			
		Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1290 for nuts and washers.			
05 05 23 00-1198		Plain Finish Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1197)</small>			
05 05 23 00-1199	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		1.58	0.42
		<i>For Left Hand Threaded Rod, Add</i>		0.07	
05 05 23 00-1200	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		2.04	0.47
		<i>For Left Hand Threaded Rod, Add</i>		0.11	
05 05 23 00-1201	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		2.36	0.53
		<i>For Left Hand Threaded Rod, Add</i>		0.13	
05 05 23 00-1202	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		3.11	0.55
		<i>For Left Hand Threaded Rod, Add</i>		0.20	
05 05 23 00-1203	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		3.19	0.57
		<i>For Left Hand Threaded Rod, Add</i>		0.21	
05 05 23 00-1204	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		3.90	0.57
		<i>For Left Hand Threaded Rod, Add</i>		0.27	
05 05 23 00-1205	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		4.36	0.58
		<i>For Left Hand Threaded Rod, Add</i>		0.32	
05 05 23 00-1206	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		6.99	0.60
		<i>For Left Hand Threaded Rod, Add</i>		0.58	
05 05 23 00-1207	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		7.60	0.62
		<i>For Left Hand Threaded Rod, Add</i>		0.64	
05 05 23 00-1208	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		10.34	0.70
		<i>For Left Hand Threaded Rod, Add</i>		0.89	
05 05 23 00-1209	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		12.83	0.79
		<i>For Left Hand Threaded Rod, Add</i>		1.13	
05 05 23 00-1210	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		16.94	0.86
		<i>For Left Hand Threaded Rod, Add</i>		1.52	
05 05 23 00-1211	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		21.00	0.93
		<i>For Left Hand Threaded Rod, Add</i>		1.92	
05 05 23 00-1212	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		25.05	0.97
		<i>For Left Hand Threaded Rod, Add</i>		2.31	
05 05 23 00-1213	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		30.65	1.02
		<i>For Left Hand Threaded Rod, Add</i>		2.86	
05 05 23 00-1214	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod		39.06	1.07
		<i>For Left Hand Threaded Rod, Add</i>		3.69	
05 05 23 00-1215		Zinc Plated Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1197)</small>			
05 05 23 00-1216	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		1.60	0.42
		<i>For Left Hand Threaded Rod, Add</i>		0.07	
05 05 23 00-1217	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		2.28	0.47
		<i>For Left Hand Threaded Rod, Add</i>		0.13	
05 05 23 00-1218	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		2.54	0.53
		<i>For Left Hand Threaded Rod, Add</i>		0.15	
05 05 23 00-1219	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		3.56	0.55
		<i>For Left Hand Threaded Rod, Add</i>		0.25	
05 05 23 00-1220	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		3.83	0.57
		<i>For Left Hand Threaded Rod, Add</i>		0.27	
05 05 23 00-1221	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		4.94	0.57
		<i>For Left Hand Threaded Rod, Add</i>		0.38	
05 05 23 00-1222	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		5.23	0.58
		<i>For Left Hand Threaded Rod, Add</i>		0.41	
05 05 23 00-1223	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		7.74	0.60
		<i>For Left Hand Threaded Rod, Add</i>		0.65	
05 05 23 00-1224	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		9.94	0.62
		<i>For Left Hand Threaded Rod, Add</i>		0.87	
05 05 23 00-1225	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		13.29	0.70
		<i>For Left Hand Threaded Rod, Add</i>		1.19	
05 05 23 00-1226	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		17.10	0.79
		<i>For Left Hand Threaded Rod, Add</i>		1.55	
05 05 23 00-1227	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		20.38	0.86
		<i>For Left Hand Threaded Rod, Add</i>		1.86	
05 05 23 00-1228	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		23.13	0.93
		<i>For Left Hand Threaded Rod, Add</i>		2.13	
05 05 23 00-1229	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		29.04	0.97
		<i>For Left Hand Threaded Rod, Add</i>		2.71	
05 05 23 00-1230	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		35.90	1.02
		<i>For Left Hand Threaded Rod, Add</i>		3.39	
05 05 23 00-1231	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod		52.21	1.07
		<i>For Left Hand Threaded Rod, Add</i>		5.01	
05 05 23 00-1232		Hot Dipped Galvanized Steel, Low Carbon Threaded Rod <small>(05 05 23 00-1197)</small>			
05 05 23 00-1233	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod		4.03	0.53
		<i>For Left Hand Threaded Rod, Add</i>		0.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1234 LF 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.57 0.44	0.57
05 05 23 00-1235 LF 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	7.43 0.63	0.58
05 05 23 00-1236 LF 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	10.11 0.89	0.60
05 05 23 00-1237 LF 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	13.90 1.27	0.62
05 05 23 00-1238 LF 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	17.89 1.65	0.70
05 05 23 00-1239 LF 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	23.47 2.19	0.79
05 05 23 00-1240 LF 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	30.79 2.90	0.86
05 05 23 00-1241 LF 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	34.39 3.25	0.93
05 05 23 00-1242 LF 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	40.87 3.89	0.97
05 05 23 00-1243 LF 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	49.59 4.76	1.02
05 05 23 00-1244 LF 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.26 8.41	1.07
 05 05 23 00-1245 304/18-8 Stainless Steel Threaded Rod <small>(05 05 23 00-1197)</small>		
05 05 23 00-1246 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	1.99 0.11	0.42
05 05 23 00-1247 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.88 0.19	0.47
05 05 23 00-1248 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	3.65 0.26	0.53
05 05 23 00-1249 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.94 0.38	0.55
05 05 23 00-1250 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.88 0.47	0.57
05 05 23 00-1251 LF 9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.29 0.71	0.57
05 05 23 00-1252 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.64 0.75	0.58
05 05 23 00-1253 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.95 1.07	0.60
05 05 23 00-1254 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	16.30 1.51	0.62
05 05 23 00-1255 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	20.85 1.94	0.70
05 05 23 00-1256 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	43.72 4.20	0.86
05 05 23 00-1257 LF 1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.32 6.44	0.97
05 05 23 00-1258 LF 1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	68.23 6.62	1.02
05 05 23 00-1259 LF 2" Diameter, 304/18-8 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	94.19 9.21	1.07
 05 05 23 00-1260 316 Stainless Steel Threaded Rod <small>(05 05 23 00-1197)</small>		
05 05 23 00-1261 LF 1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	2.76 0.19	0.42
05 05 23 00-1262 LF 5/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	4.29 0.34	0.47
05 05 23 00-1263 LF 3/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	5.63 0.46	0.53
05 05 23 00-1264 LF 7/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	8.60 0.75	0.55
05 05 23 00-1265 LF 1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	9.12 0.80	0.57
05 05 23 00-1266 LF 9/16" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	11.85 1.07	0.57
05 05 23 00-1267 LF 5/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	12.73 1.16	0.58
05 05 23 00-1268 LF 3/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	18.38 1.72	0.60
05 05 23 00-1269 LF 7/8" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	25.03 2.38	0.62
05 05 23 00-1270 LF 1" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	31.62 3.02	0.70
05 05 23 00-1271 LF 1-1/4" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	66.35 6.46	0.86
05 05 23 00-1272 LF 1-1/2" Diameter, 316 Stainless Steel Threaded Rod..... <i>For Left Hand Threaded Rod, Add</i>	86.84 8.49	0.97
 05 05 23 00-1273 Plain Finish Steel, B-7 Alloy Threaded Rod <small>(05 05 23 00-1197)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1274	LF		1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	2.61	0.42
			<i>For Zinc Plating, Add</i>	0.88	
05 05 23 00-1275	LF		5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	3.93	0.47
			<i>For Zinc Plating, Add</i>	1.50	
05 05 23 00-1276	LF		3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.14	0.53
			<i>For Zinc Plating, Add</i>	1.54	
05 05 23 00-1277	LF		7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.50	0.55
			<i>For Zinc Plating, Add</i>	1.70	
05 05 23 00-1278	LF		1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.95	0.57
			<i>For Zinc Plating, Add</i>	1.91	
05 05 23 00-1279	LF		9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.12	0.57
			<i>For Zinc Plating, Add</i>	2.48	
05 05 23 00-1280	LF		5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.32	0.58
			<i>For Zinc Plating, Add</i>	2.57	
05 05 23 00-1281	LF		3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.31	0.60
			<i>For Zinc Plating, Add</i>	3.55	
05 05 23 00-1282	LF		7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.92	0.62
			<i>For Zinc Plating, Add</i>	4.34	
05 05 23 00-1283	LF		1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	12.83	0.70
			<i>For Zinc Plating, Add</i>	5.71	
05 05 23 00-1284	LF		1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.65	0.79
			<i>For Zinc Plating, Add</i>	7.54	
05 05 23 00-1285	LF		1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	18.53	0.86
			<i>For Zinc Plating, Add</i>	8.38	
05 05 23 00-1286	LF		1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.35	0.93
			<i>For Zinc Plating, Add</i>	9.75	
05 05 23 00-1287	LF		1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	25.89	0.97
			<i>For Zinc Plating, Add</i>	11.98	
05 05 23 00-1288	LF		1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	26.77	1.02
			<i>For Zinc Plating, Add</i>	12.38	
05 05 23 00-1289	LF		2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.83	1.07
			<i>For Zinc Plating, Add</i>	16.85	
05 05 23 00-1290			Nuts And Washers <small>(05 05 23)</small>		
05 05 23 00-1291			Hex Nuts <small>(05 05 23 00-1290)</small>		
05 05 23 00-1292			Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1291)</small>		
05 05 23 00-1293	EA		1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.43	0.19
05 05 23 00-1294	EA		5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.47	0.19
05 05 23 00-1295	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.19
05 05 23 00-1296	EA		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.58	0.19
05 05 23 00-1297	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.63	0.19
05 05 23 00-1298	EA		9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.19
05 05 23 00-1299	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.19
05 05 23 00-1300	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.98	0.39
05 05 23 00-1301	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.39	0.39
05 05 23 00-1302	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.77	0.39
05 05 23 00-1303	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.84	0.39
05 05 23 00-1304	EA		1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.47	0.39
05 05 23 00-1305	EA		1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.05	0.39
05 05 23 00-1306	EA		1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.83	0.58
05 05 23 00-1307	EA		1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.50	0.58
05 05 23 00-1308	EA		2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	12.22	0.58
05 05 23 00-1309			Zinc Plated Steel, Grade 5 Hex Nuts <small>(05 05 23 00-1291)</small>		
05 05 23 00-1310	EA		1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.44	0.19
05 05 23 00-1311	EA		5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.48	0.19
05 05 23 00-1312	EA		3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.52	0.19
05 05 23 00-1313	EA		7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.60	0.19
05 05 23 00-1314	EA		1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.70	0.19
05 05 23 00-1315	EA		9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.83	0.19
05 05 23 00-1316	EA		5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.85	0.19
05 05 23 00-1317	EA		3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.10	0.39
05 05 23 00-1318	EA		7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.51	0.39
05 05 23 00-1319	EA		1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.12	0.39
05 05 23 00-1320	EA		1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.19	0.39
05 05 23 00-1321	EA		1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	4.49	0.39
05 05 23 00-1322	EA		1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	6.54	0.39
05 05 23 00-1323	EA		1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.21	0.58
05 05 23 00-1324	EA		1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.90	0.58
05 05 23 00-1325	EA		2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	18.43	0.58
05 05 23 00-1326			Zinc Plated Steel, Grade 8 Hex Nuts <small>(05 05 23 00-1291)</small>		
05 05 23 00-1327	EA		1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.45	0.19
05 05 23 00-1328	EA		5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.51	0.19
05 05 23 00-1329	EA		3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.55	0.19
05 05 23 00-1330	EA		7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.67	0.19
05 05 23 00-1331	EA		1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.80	0.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1332 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.95	0.19
05 05 23 00-1333 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.07	0.19
05 05 23 00-1334 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.31	0.39
05 05 23 00-1335 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.93	0.39
05 05 23 00-1336 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.55	0.39
05 05 23 00-1337 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.95	0.39
05 05 23 00-1338 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.93	0.39
05 05 23 00-1339 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.04	0.39
05 05 23 00-1340 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.53	0.58
05 05 23 00-1341 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	12.94	0.58
05 05 23 00-1342 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	18.23	0.58
05 05 23 00-1343	Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts <small>(05 05 23 00-1291)</small>	
05 05 23 00-1344 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.45	0.19
05 05 23 00-1345 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.50	0.19
05 05 23 00-1346 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.54	0.19
05 05 23 00-1347 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.66	0.19
05 05 23 00-1348 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.76	0.19
05 05 23 00-1349 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.84	0.19
05 05 23 00-1350 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.19
05 05 23 00-1351 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.20	0.39
05 05 23 00-1352 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.71	0.39
05 05 23 00-1353 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.35	0.39
05 05 23 00-1354 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	3.82	0.39
05 05 23 00-1355 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.90	0.39
05 05 23 00-1356 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	7.22	0.39
05 05 23 00-1357 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.40	0.58
05 05 23 00-1358 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.55	0.58
05 05 23 00-1359 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.06	0.58
05 05 23 00-1360	304 Stainless Steel Hex Nuts <small>(05 05 23 00-1291)</small>	
05 05 23 00-1361 EA 1/4" Diameter, 304 Stainless Steel Hex Nut	0.48	0.19
05 05 23 00-1362 EA 5/16" Diameter, 304 Stainless Steel Hex Nut	0.56	0.19
05 05 23 00-1363 EA 3/8" Diameter, 304 Stainless Steel Hex Nut	0.62	0.19
05 05 23 00-1364 EA 7/16" Diameter, 304 Stainless Steel Hex Nut	0.87	0.19
05 05 23 00-1365 EA 1/2" Diameter, 304 Stainless Steel Hex Nut	0.95	0.19
05 05 23 00-1366 EA 9/16" Diameter, 304 Stainless Steel Hex Nut	1.38	0.19
05 05 23 00-1367 EA 5/8" Diameter, 304 Stainless Steel Hex Nut	1.52	0.19
05 05 23 00-1368 EA 3/4" Diameter, 304 Stainless Steel Hex Nut	1.74	0.39
05 05 23 00-1369 EA 7/8" Diameter, 304 Stainless Steel Hex Nut	2.77	0.39
05 05 23 00-1370 EA 1" Diameter, 304 Stainless Steel Hex Nut	4.20	0.39
05 05 23 00-1371 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut	9.91	0.39
05 05 23 00-1372 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut	18.87	0.58
05 05 23 00-1373 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut	33.03	0.58
05 05 23 00-1374 EA 2" Diameter, 304 Stainless Steel Hex Nut	46.98	0.58
05 05 23 00-1375	316 Stainless Steel Hex Nuts <small>(05 05 23 00-1291)</small>	
05 05 23 00-1376 EA 1/4" Diameter, 316 Stainless Steel Hex Nut	0.55	0.19
05 05 23 00-1377 EA 5/16" Diameter, 316 Stainless Steel Hex Nut	0.61	0.19
05 05 23 00-1378 EA 3/8" Diameter, 316 Stainless Steel Hex Nut	0.72	0.19
05 05 23 00-1379 EA 7/16" Diameter, 316 Stainless Steel Hex Nut	1.11	0.19
05 05 23 00-1380 EA 1/2" Diameter, 316 Stainless Steel Hex Nut	1.20	0.19
05 05 23 00-1381 EA 9/16" Diameter, 316 Stainless Steel Hex Nut	1.59	0.19
05 05 23 00-1382 EA 5/8" Diameter, 316 Stainless Steel Hex Nut	1.78	0.19
05 05 23 00-1383 EA 3/4" Diameter, 316 Stainless Steel Hex Nut	2.44	0.39
05 05 23 00-1384 EA 7/8" Diameter, 316 Stainless Steel Hex Nut	3.34	0.39
05 05 23 00-1385 EA 1" Diameter, 316 Stainless Steel Hex Nut	5.11	0.39
05 05 23 00-1386 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut	15.26	0.39
05 05 23 00-1387 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut	24.57	0.58
05 05 23 00-1388 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut	41.34	0.58
05 05 23 00-1389 EA 2" Diameter, 316 Stainless Steel Hex Nut	76.65	0.58
05 05 23 00-1390	Flat Washers <small>(05 05 23 00-1290)</small>	
05 05 23 00-1391	Zinc Plated Steel, Low Carbon Flat Washers <small>(05 05 23 00-1390)</small>	
05 05 23 00-1392 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.03	
05 05 23 00-1393 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.04	
05 05 23 00-1394 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.08	
05 05 23 00-1395 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.12	
05 05 23 00-1396 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.17	
05 05 23 00-1397 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.19	
05 05 23 00-1398 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1399 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.47	
05 05 23 00-1400 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1401 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.68	
05 05 23 00-1402 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	
05 05 23 00-1403 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.92	

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1404 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.45	
05 05 23 00-1405 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.48	
05 05 23 00-1406 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.20	
05 05 23 00-1407 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.73	
05 05 23 00-1408 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1390)		
05 05 23 00-1409 EA 1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.10	
05 05 23 00-1410 EA 5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.14	
05 05 23 00-1411 EA 3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.16	
05 05 23 00-1412 EA 7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.21	
05 05 23 00-1413 EA 1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.29	
05 05 23 00-1414 EA 9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.47	
05 05 23 00-1415 EA 5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.67	
05 05 23 00-1416 EA 3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.94	
05 05 23 00-1417 EA 7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.58	
05 05 23 00-1418 EA 1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.75	
05 05 23 00-1419 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.54	
05 05 23 00-1420 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	2.78	
05 05 23 00-1421 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.66	
05 05 23 00-1422 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	4.18	
05 05 23 00-1423 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.62	
05 05 23 00-1424 EA 2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	6.75	
05 05 23 00-1425 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1390)		
05 05 23 00-1426 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.07	
05 05 23 00-1427 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.09	
05 05 23 00-1428 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.11	
05 05 23 00-1429 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.20	
05 05 23 00-1430 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.25	
05 05 23 00-1431 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.41	
05 05 23 00-1432 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.46	
05 05 23 00-1433 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.70	
05 05 23 00-1434 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.98	
05 05 23 00-1435 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.08	
05 05 23 00-1436 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.65	
05 05 23 00-1437 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.84	
05 05 23 00-1438 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.62	
05 05 23 00-1439 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.84	
05 05 23 00-1440 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	4.12	
05 05 23 00-1441 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1390)		
05 05 23 00-1442 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.07	
05 05 23 00-1443 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.09	
05 05 23 00-1444 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.13	
05 05 23 00-1445 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.25	
05 05 23 00-1446 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.45	
05 05 23 00-1447 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.56	
05 05 23 00-1448 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.82	
05 05 23 00-1449 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.84	
05 05 23 00-1450 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.77	
05 05 23 00-1451 EA 1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.24	
05 05 23 00-1452 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.61	
05 05 23 00-1453 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.81	
05 05 23 00-1454 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.97	
05 05 23 00-1455 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	3.62	
05 05 23 00-1456 EA 1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.50	
05 05 23 00-1457 EA 2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	8.84	
05 05 23 00-1458 316 Stainless Steel Flat Washers (05 05 23 00-1390)		
05 05 23 00-1459 EA 1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.14	
05 05 23 00-1460 EA 5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.15	
05 05 23 00-1461 EA 3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.27	
05 05 23 00-1462 EA 7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.32	
05 05 23 00-1463 EA 1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.58	
05 05 23 00-1464 EA 9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.05	
05 05 23 00-1465 EA 5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.24	
05 05 23 00-1466 EA 3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.56	
05 05 23 00-1467 EA 7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.42	
05 05 23 00-1468 EA 1" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.70	
05 05 23 00-1469 EA 1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.08	
05 05 23 00-1470 EA 1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.79	
05 05 23 00-1471 EA 1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.00	
05 05 23 00-1472 EA 1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.10	
05 05 23 00-1473 EA 1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1474				Lock Washers <small>(05 05 23 00-1290)</small>		
05 05 23 00-1475				Zinc Plated Steel, Low Carbon Lock Washers <small>(05 05 23 00-1474)</small>		
05 05 23 00-1476	EA			1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.01	
05 05 23 00-1477	EA			5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1478	EA			3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1479	EA			7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1480	EA			1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.07	
05 05 23 00-1481	EA			9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1482	EA			5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.12	
05 05 23 00-1483	EA			3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1484	EA			7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.31	
05 05 23 00-1485	EA			1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.56	
05 05 23 00-1486	EA			1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.82	
05 05 23 00-1487	EA			1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.25	
05 05 23 00-1488	EA			1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.98	
05 05 23 00-1489	EA			1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.33	
05 05 23 00-1490	EA			1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.16	
05 05 23 00-1491	EA			2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.69	
05 05 23 00-1492				Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1474)</small>		
05 05 23 00-1493	EA			1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.05	
05 05 23 00-1494	EA			5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.06	
05 05 23 00-1495	EA			3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.08	
05 05 23 00-1496	EA			7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1497	EA			1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1498	EA			9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1499	EA			5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.21	
05 05 23 00-1500	EA			3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.36	
05 05 23 00-1501	EA			7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.52	
05 05 23 00-1502	EA			1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.82	
05 05 23 00-1503	EA			1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.48	
05 05 23 00-1504	EA			1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.76	
05 05 23 00-1505	EA			1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.54	
05 05 23 00-1506	EA			1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.91	
05 05 23 00-1507	EA			1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.94	
05 05 23 00-1508	EA			2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.36	
05 05 23 00-1509				304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1474)</small>		
05 05 23 00-1510	EA			1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.06	
05 05 23 00-1511	EA			5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.08	
05 05 23 00-1512	EA			3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1513	EA			7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.22	
05 05 23 00-1514	EA			1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.24	
05 05 23 00-1515	EA			9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.58	
05 05 23 00-1516	EA			5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.68	
05 05 23 00-1517	EA			3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.80	
05 05 23 00-1518	EA			7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.44	
05 05 23 00-1519	EA			1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.03	
05 05 23 00-1520	EA			1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.55	
05 05 23 00-1521	EA			1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.72	
05 05 23 00-1522	EA			1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	6.00	
05 05 23 00-1523	EA			1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.20	
05 05 23 00-1524				316 Stainless Steel Lock Washers <small>(05 05 23 00-1474)</small>		
05 05 23 00-1525	EA			1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.07	
05 05 23 00-1526	EA			5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.16	
05 05 23 00-1527	EA			3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.18	
05 05 23 00-1528	EA			7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1529	EA			1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.34	
05 05 23 00-1530	EA			9/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1531	EA			5/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.68	
05 05 23 00-1532	EA			3/4" Inside Diameter, 316 Stainless Steel Lock Washer	1.17	
05 05 23 00-1533	EA			7/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.94	
05 05 23 00-1534	EA			1" Inside Diameter, 316 Stainless Steel Lock Washer	2.63	
05 05 23 00-1535	EA			1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.68	
05 05 23 00-1536	EA			1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	5.66	
05 05 23 00-1537	EA			1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	10.12	
05 05 23 00-1538	EA			1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	11.24	
05 05 23 00-1539				Load Indicating Washers <small>(05 05 23 00-1290)</small>		
05 05 23 00-1540				A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1539)</small>		
05 05 23 00-1541				Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1540)</small>		

05 Metals**05 05 Common Work Results For Metals****05 05 23 Metal Fastenings**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 05 23 00-1542	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.36
05 05 23 00-1543	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.54
05 05 23 00-1544	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.66
05 05 23 00-1545	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.88
05 05 23 00-1546	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27
05 05 23 00-1547	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	3.78
05 05 23 00-1548	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.88
05 05 23 00-1549	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.23
05 05 23 00-1550	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	6.86
05 05 23 00-1551 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers			
(ASTM F959) (05 05 23 00-1540)			
05 05 23 00-1552	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.72
05 05 23 00-1553	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.91
05 05 23 00-1554	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	1.86
05 05 23 00-1555	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.27
05 05 23 00-1556	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	2.69
05 05 23 00-1557	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	4.06
05 05 23 00-1558	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	5.11
05 05 23 00-1559	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	7.27
05 05 23 00-1560	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959)	8.00
05 05 23 00-1561 Beveled Washers (05 05 23 00-1290)			
05 05 23 00-1562 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1561)			
05 05 23 00-1563	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.24
05 05 23 00-1564	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.29
05 05 23 00-1565	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.34
05 05 23 00-1566	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.84
05 05 23 00-1567	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436)	2.99
05 05 23 00-1568 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1561)			
05 05 23 00-1569	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.22
05 05 23 00-1570	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.37
05 05 23 00-1571	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.37
05 05 23 00-1572	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.56
05 05 23 00-1573	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436)	3.79
05 05 23 00-1574 Welded Stud Anchors (05 05 23)			
05 05 23 00-1575	EA	1/4" Diameter x 1-1/8" Long, Welded Stud Concrete Anchors	2.20
05 05 23 00-1576	EA	1/4" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	2.23
05 05 23 00-1577	EA	1/4" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.24
05 05 23 00-1578	EA	1/4" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.25
05 05 23 00-1579	EA	3/8" Diameter x 1-3/8" Long, Welded Stud Concrete Anchors	2.29
05 05 23 00-1580	EA	3/8" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	2.36
05 05 23 00-1581	EA	3/8" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	2.42
05 05 23 00-1582	EA	3/8" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	2.46
05 05 23 00-1583	EA	3/8" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	2.49
05 05 23 00-1584	EA	3/8" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	2.63
05 05 23 00-1585	EA	3/8" Diameter x 5-1/8" Long, Welded Stud Concrete Anchors	2.74
05 05 23 00-1586	EA	3/8" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	2.83
05 05 23 00-1587	EA	1/2" Diameter x 1-1/2" Long, Welded Stud Concrete Anchors	2.68
05 05 23 00-1588	EA	1/2" Diameter x 1-5/8" Long, Welded Stud Concrete Anchors	2.69
05 05 23 00-1589	EA	1/2" Diameter x 2-1/8" Long, Welded Stud Concrete Anchors	2.80
05 05 23 00-1590	EA	1/2" Diameter x 2-5/8" Long, Welded Stud Concrete Anchors	2.89
05 05 23 00-1591	EA	1/2" Diameter x 3-1/8" Long, Welded Stud Concrete Anchors	3.01
05 05 23 00-1592	EA	1/2" Diameter x 4-1/8" Long, Welded Stud Concrete Anchors	3.20
05 05 23 00-1593	EA	1/2" Diameter x 5-5/16" Long, Welded Stud Concrete Anchors	3.32
05 05 23 00-1594	EA	1/2" Diameter x 6-1/8" Long, Welded Stud Concrete Anchors	3.65
05 05 23 00-1595	EA	1/2" Diameter x 8-1/8" Long, Welded Stud Concrete Anchors	4.27
05 05 23 00-1596	EA	5/8" Diameter x 2-11/16" Long, Welded Stud Concrete Anchors	3.49
05 05 23 00-1597	EA	5/8" Diameter x 3-3/16" Long, Welded Stud Concrete Anchors	3.64
05 05 23 00-1598	EA	5/8" Diameter x 3-11/16" Long, Welded Stud Concrete Anchors	3.77
05 05 23 00-1599	EA	5/8" Diameter x 4-3/16" Long, Welded Stud Concrete Anchors	3.90
05 05 23 00-1600	EA	5/8" Diameter x 4-11/16" Long, Welded Stud Concrete Anchors	4.00
05 05 23 00-1601	EA	5/8" Diameter x 5-3/16" Long, Welded Stud Concrete Anchors	4.10
05 05 23 00-1602	EA	5/8" Diameter x 6-3/16" Long, Welded Stud Concrete Anchors	4.23
05 05 23 00-1603	EA	5/8" Diameter x 6-9/16" Long, Welded Stud Concrete Anchors	4.76
05 05 23 00-1604	EA	5/8" Diameter x 8-3/16" Long, Welded Stud Concrete Anchors	5.50
05 05 23 00-1605 Welded Shear Stud Connector (05 05 23)			
05 05 23 00-1606 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1605)			
05 05 23 00-1607	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	4.29
05 05 23 00-1608	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	4.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1609 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	4.43	
05 05 23 00-1610 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	4.44	
05 05 23 00-1611 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	4.57	
05 05 23 00-1612 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	4.80	
05 05 23 00-1613 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	7.06	
05 05 23 00-1614 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	5.08	
05 05 23 00-1615 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	5.49	
05 05 23 00-1616 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	7.91	
05 05 23 00-1617 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	8.04	
05 05 23 00-1618 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	8.49	
05 05 23 00-1619 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	10.38	
05 05 23 00-1620 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1605)		
05 05 23 00-1621 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	4.85	
05 05 23 00-1622 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	5.03	
05 05 23 00-1623 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	5.21	
05 05 23 00-1624 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	5.73	
05 05 23 00-1625 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	8.19	
05 05 23 00-1626 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	8.73	
05 05 23 00-1627 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	9.27	
05 05 23 00-1628 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	10.79	
05 05 23 00-1629 1" Diameter Welded Shear Stud Connector (05 05 23 00-1605)		
05 05 23 00-1630 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	6.03	
05 05 23 00-1631 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	6.58	
05 05 23 00-1632 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	7.40	
05 05 23 00-1633 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	10.23	
05 05 23 00-1634 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	11.09	
05 05 23 00-1635 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	11.95	
05 10 Structural Metal Framing (05)		
05 12 Structural Steel Framing (05 10)		
05 12 23 Structural Steel For Buildings (05 12)		
Note: Prices are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection. Excludes moment connection welding. See CSI section 05 12 23 00-0101 for field fabrication of additional structural metal connections, 05 12 23 00-0116 for moment connection welding.		
05 12 23 00-0001 Rolled Steel Members (05 12 23)		
05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)		
Note: For one and two story I beams and W shapes.		
05 12 23 00-0003 TON Up To 30 LB/LF Beams, Girders And Columns For 1 And 2 Story	6,053.65	954.88
For ASTM A242 Type 2 High Strength Steel, Add		326.26
For Hot Dip Galvanizing, Add		1,141.90
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns For 1 And 2 Story.....	4,005.50	617.26
For ASTM A242 Type 2 High Strength Steel, Add		267.76
For Hot Dip Galvanizing, Add		937.17
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns For 1 And 2 Story.....	3,341.83	347.25
For ASTM A242 Type 2 High Strength Steel, Add		237.72
For Hot Dip Galvanizing, Add		832.00
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns For 1 And 2 Story.....	2,228.87	184.83
For ASTM A242 Type 2 High Strength Steel, Add		162.51
For Hot Dip Galvanizing, Add		568.77
05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members.....	4,248.26	649.39
For ASTM A242 Type 2 High Strength Steel, Add		284.48
For Hot Dip Galvanizing, Add		995.66
05 12 23 00-0009 Shapes (05 12 23 00-0001)		
05 12 23 00-0010 Rolled Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0011 TON Up To 10 LB/LF Rolled Shape Steel Angles.....	8,848.05	1,775.11
For ASTM A242 Type 2 High Strength Steel, Add		471.16
For Hot Dip Galvanizing, Add		1,649.07
05 12 23 00-0012 TON >10-20 LB/LF Rolled Shape Steel Angles	7,609.37	1,041.73
For ASTM A242 Type 2 High Strength Steel, Add		450.72
For Hot Dip Galvanizing, Add		1,577.50
05 12 23 00-0013 TON >20-58 LB/LF Rolled Shape Steel Angles	5,614.47	617.26
For ASTM A242 Type 2 High Strength Steel, Add		396.49
For Hot Dip Galvanizing, Add		1,387.71
05 12 23 00-0014 Rolled C, MC Steel Channels (05 12 23 00-0009)		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0015 TON Up To 10 LB/LF Rolled C, MC Steel Channels <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	9,870.90 464.05 1,624.18	2,430.71
05 12 23 00-0016 TON >10-20 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,531.59 444.49 1,555.72	1,851.97
05 12 23 00-0017 TON >20-58 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,525.57 389.38 1,362.81	617.26
05 12 23 00-0018 Double L Shape Steel Angles (05 12 23 00-0009)		
05 12 23 00-0019 TON Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,132.72 453.38 1,586.84	1,408.43
05 12 23 00-0020 TON >20-50 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,992.29 426.71 1,493.49	617.26
05 12 23 00-0021 TON >50-80 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,481.95 328.92 1,151.24	347.25
05 12 23 00-0022 TON >80-115 LB/LF Double L Shape Steel Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,864.19 213.36 746.75	185.10
05 12 23 00-0023 Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)		
05 12 23 00-0024 TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,309.34 426.71 1,493.49	1,041.73
05 12 23 00-0025 TON >30-65 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,736.69 326.26 1,141.90	617.26
05 12 23 00-0026 TON >65-100 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,704.08 266.70 933.43	347.25
05 12 23 00-0027 TON >100-365 LB/LF Structural WT, MT, ST Tee Shapes <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,708.92 200.91 703.19	184.83
05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)		
05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,964.86 399.15 1,397.04	1,041.73
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,770.03 328.92 1,151.24	617.26
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,426.27 244.47 855.65	347.25
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,930.86 218.69 765.42	184.83
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	2,510.15 192.91 675.19	92.79
05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,592.23 314.70 1,101.45	617.26
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,437.39 245.36 858.76	347.25
05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,309.34 426.71 1,493.49	1,041.73
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,992.27 346.70 1,213.46	617.26
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	3,515.17 251.58 880.54	347.25
05 12 23 00-0042 Standard Weight Pipe (05 12 23 00-0001)		



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,059.67 277.36 970.77	555.59
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,363.40 289.81 1,014.33	694.48
05 12 23 00-0045 Steel Shapes <small>(05 12 23)</small>		
05 12 23 00-0046 Steel Rods <small>(05 12 23 00-0045)</small>		
05 12 23 00-0047 TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,330.08 309.37 1,082.78	434.10
05 12 23 00-0048 TON >5" To 12" Diameter Extra Strong Steel, Solid <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,992.27 346.70 1,213.46	617.26
05 12 23 00-0049 Column Base Plates <small>(05 12 23 00-0045)</small>		
05 12 23 00-0050 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.30 0.13 0.47	0.59
05 12 23 00-0051 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2.14 0.13 0.44	0.51
05 12 23 00-0052 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,005.34 275.00 962.49	532.39
05 12 23 00-0053 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	2,827.00 198.90 696.16	319.44
05 12 23 00-0054 Double Extra Strong Pipes <small>(05 12 23 00-0045)</small>		
05 12 23 00-0055 TON 2" To 5" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,269.31 353.82 1,238.36	793.66
05 12 23 00-0056 TON >5" To 8" Diameter Double Extra Strong Pipe <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,656.32 336.04 1,176.13	427.34
05 12 23 00-0057 Structural Pipes <small>(05 12 23 00-0045)</small>		
05 12 23 00-0058 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	3,675.64 248.92 871.21	366.69
05 12 23 00-0059 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,044.44 248.92 871.21	422.90
05 12 23 00-0060 Structural Tubing <small>(05 12 23 00-0045)</small>		
05 12 23 00-0061 Rectangle Structural Tubing <small>(05 12 23 00-0060)</small>		
05 12 23 00-0062 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,951.24 444.49 1,555.72	370.39
05 12 23 00-0063 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	6,012.03 444.49 1,555.72	427.34
05 12 23 00-0064 TON 5" x 4", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,272.15 382.26 1,337.92	463.00
05 12 23 00-0065 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,037.56 355.59 1,244.58	555.59
05 12 23 00-0066 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	4,770.03 328.92 1,151.24	617.26
05 12 23 00-0067 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,022.74 328.92 1,151.24	854.22
05 12 23 00-0068 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,404.98 336.04 1,176.13	1,129.24
05 12 23 00-0069 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,560.68 339.59 1,188.57	1,233.50
05 12 23 00-0070 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add For Hot Dip Galvanizing, Add</i>	5,726.48 339.59 1,188.57	1,388.98

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0071 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,313.00 336.04 1,176.13	2,918.06
05 12 23 00-0072 TON 18" x 6" Weight Range 48-76 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,064.76 327.15 1,145.01	1,851.97
05 12 23 00-0073 TON 20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,856.29 344.93 1,207.24	4,260.74
05 12 23 00-0074 Square Structural Tubing (05 12 23 00-0060)		
05 12 23 00-0075 TON 2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,926.55 444.49 1,555.72	347.25
05 12 23 00-0076 TON 2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,951.24 444.49 1,555.72	370.39
05 12 23 00-0077 TON 3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,383.28 391.15 1,369.04	463.00
05 12 23 00-0078 TON 3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,370.92 382.26 1,337.92	555.59
05 12 23 00-0079 TON 4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,385.63 291.59 1,020.56	694.48
05 12 23 00-0080 TON 5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,491.45 291.59 1,020.56	793.66
05 12 23 00-0081 TON 6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4,830.10 291.59 1,020.56	1,111.19
05 12 23 00-0082 TON 7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	5,193.09 296.92 1,039.22	1,388.98
05 12 23 00-0083 TON 8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	6,287.01 344.93 1,207.24	1,851.97
05 12 23 00-0084 TON 10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,274.73 344.93 1,207.24	2,777.96
05 12 23 00-0085 TON 12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	7,189.39 296.92 1,039.22	3,260.49
05 12 23 00-0086 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	8,767.39 337.81 1,182.35	4,260.74
05 12 23 00-0087 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	10,237.89 344.93 1,207.24	5,555.92
05 12 23 00-0088 Structural Shapes (05 12 23 00-0045)		
05 12 23 00-0089 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >20 To 50 LB/LF, Deduct</i> <i>For >50 To 75 LB/LF, Deduct</i> <i>For >75 To 100 LB/LF, Deduct</i>	7,118.50 299.06 1,046.71 -880.86 -1,405.80 -1,930.74	2,129.55
05 12 23 00-0090 TON Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 LB per SF <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For >21.5 To 50 LB/LF, Deduct</i>	4,688.76 284.48 995.69 -525.51	851.82
05 12 23 00-0091 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF)	2.69	0.19
05 12 23 00-0092 LB Structural Shapes, Galvanized Pipe Supports.....	3.25	0.19
05 12 23 00-0093 Built-Up Trusses (05 12 23 00-0045)		
05 12 23 00-0094 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up.....	4,819.02	277.79
05 12 23 00-0095 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up	4,731.78	154.27
05 12 23 00-0096 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up	4,198.71	81.67
05 12 23 00-0097 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up.....	4,082.74	77.22
05 12 23 00-0098 Accessories For Steel (05 12 23)		
05 12 23 00-0099 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0098)		
05 12 23 00-0100 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	0.81	
05 12 23 00-0101 Connection And Stiffener Plates (05 12 23 00-0098)		
Note: For field fabrication of additional structural metal connections.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				05 12 23 00-0102 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	10,265.87	
				05 12 23 00-0103 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	8,758.79	
				05 12 23 00-0104 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	6,773.35	
				05 12 23 00-0105 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	6,773.35	
				05 12 23 00-0106 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	6,773.35	
				05 12 23 00-0107 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	6,773.35	
				05 12 23 00-0108 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	6,773.35	
				05 12 23 00-0109 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	6,773.35	
				05 12 23 00-0110 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	6,350.02	
				05 12 23 00-0111 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	6,350.02	
				05 12 23 00-0112 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	6,350.02	
05 12 23 00-0113				Spot Welding <small>(05 12 23 00-0098)</small>		
				See CSI section 05 12 23 00-0116 for a series of welds.		
				05 12 23 00-0114 EA Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	9.46	
				For Aluminum Welding, Add	1.44	
				For Stainless Steel Welding, Add	2.39	
				05 12 23 00-0115 EA >15 Spot Weldings, Welds Up To 1" Length Each.....	7.64	
				For Aluminum Welding, Add	1.33	
				For Stainless Steel Welding, Add	2.14	
05 12 23 00-0116				Field Welding (Seam And Stitch Welding) <small>(05 12 23 00-0098)</small>		
05 12 23 00-0117				Vertical Fillet Welds <small>(05 12 23 00-0116)</small>		
				Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
				05 12 23 00-0118 LF 3/16" Vertical Fillet Weld.....	9.90	
				For Aluminum Welding, Add	1.64	
				For Stainless Steel Welding, Add	2.66	
				For Up To 25, Add	3.40	
				For >25 To 50, Add	2.43	
				05 12 23 00-0119 LF 1/4" Vertical Fillet Weld.....	14.86	
				For Aluminum Welding, Add	2.46	
				For Stainless Steel Welding, Add	4.00	
				For Up To 25, Add	5.11	
				For >25 To 50, Add	3.64	
				05 12 23 00-0120 LF 5/16" Vertical Fillet Weld.....	19.81	
				For Aluminum Welding, Add	3.28	
				For Stainless Steel Welding, Add	5.34	
				For Up To 25, Add	6.80	
				For >25 To 50, Add	4.85	
				05 12 23 00-0121 LF 3/8" Vertical Fillet Weld.....	24.78	
				For Aluminum Welding, Add	4.10	
				For Stainless Steel Welding, Add	6.68	
				For Up To 25, Add	8.51	
				For >25 To 50, Add	6.07	
				05 12 23 00-0122 LF 7/16" Vertical Fillet Weld.....	29.47	
				For Aluminum Welding, Add	4.72	
				For Stainless Steel Welding, Add	7.74	
				For Up To 25, Add	10.19	
				For >25 To 50, Add	7.27	
				05 12 23 00-0123 LF 1/2" Vertical Fillet Weld.....	34.31	
				For Aluminum Welding, Add	5.68	
				For Stainless Steel Welding, Add	9.25	
				For Up To 25, Add	11.79	
				For >25 To 50, Add	8.40	
				05 12 23 00-0124 LF 9/16" Vertical Fillet Weld.....	40.30	
				For Aluminum Welding, Add	6.53	
				For Stainless Steel Welding, Add	10.68	
				For Up To 25, Add	13.91	
				For >25 To 50, Add	9.92	
				05 12 23 00-0125 LF 5/8" Vertical Fillet Weld.....	44.39	
				For Aluminum Welding, Add	7.22	
				For Stainless Steel Welding, Add	11.80	
				For Up To 25, Add	15.30	
				For >25 To 50, Add	10.91	
				05 12 23 00-0126 LF 3/4" Vertical Fillet Weld.....	60.97	
				For Aluminum Welding, Add	10.12	
				For Stainless Steel Welding, Add	16.46	
				For Up To 25, Add	20.93	
				For >25 To 50, Add	14.92	
				05 12 23 00-0127 LF 7/8" Vertical Fillet Weld.....	80.51	
				For Aluminum Welding, Add	13.16	
				For Stainless Steel Welding, Add	21.48	
				For Up To 25, Add	27.73	
				For >25 To 50, Add	19.77	
				05 12 23 00-0128 LF 1" Vertical Fillet Weld.....	111.65	
				For Aluminum Welding, Add	18.57	
				For Stainless Steel Welding, Add	30.19	
				For Up To 25, Add	38.32	
				For >25 To 50, Add	27.31	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

05 12 23 00-0129	Horizontal Or Flat Fillet Welds <small>(05 12 23 00-0116)</small>		
	Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 12 23 00-0130	LF 1/8" Horizontal Or Flat Fillet Weld.....	5.63	
	For Aluminum Welding, Add	0.96	
	For Stainless Steel Welding, Add	1.56	
	For Up To 25, Add	1.92	
	For >25 To 50, Add	1.37	
05 12 23 00-0131	LF 3/16" Horizontal Or Flat Fillet Weld.....	7.51	
	For Aluminum Welding, Add	1.29	
	For Stainless Steel Welding, Add	2.08	
	For Up To 25, Add	2.56	
	For >25 To 50, Add	1.82	
05 12 23 00-0132	LF 1/4" Horizontal Or Flat Fillet Weld.....	11.26	
	For Aluminum Welding, Add	1.93	
	For Stainless Steel Welding, Add	3.12	
	For Up To 25, Add	3.84	
	For >25 To 50, Add	2.74	
05 12 23 00-0133	LF 5/16" Horizontal Or Flat Fillet Weld.....	15.02	
	For Aluminum Welding, Add	2.58	
	For Stainless Steel Welding, Add	4.16	
	For Up To 25, Add	5.12	
	For >25 To 50, Add	3.65	
05 12 23 00-0134	LF 3/8" Horizontal Or Flat Fillet Weld.....	18.76	
	For Aluminum Welding, Add	3.21	
	For Stainless Steel Welding, Add	5.19	
	For Up To 25, Add	6.40	
	For >25 To 50, Add	4.56	
05 12 23 00-0135	LF 7/16" Horizontal Or Flat Fillet Weld.....	21.70	
	For Aluminum Welding, Add	3.57	
	For Stainless Steel Welding, Add	5.82	
	For Up To 25, Add	7.46	
	For >25 To 50, Add	5.32	
05 12 23 00-0136	LF 1/2" Horizontal Or Flat Fillet Weld.....	26.49	
	For Aluminum Welding, Add	4.53	
	For Stainless Steel Welding, Add	7.32	
	For Up To 25, Add	9.04	
	For >25 To 50, Add	6.44	
05 12 23 00-0137	LF 9/16" Horizontal Or Flat Fillet Weld.....	29.82	
	For Aluminum Welding, Add	4.98	
	For Stainless Steel Welding, Add	8.09	
	For Up To 25, Add	10.22	
	For >25 To 50, Add	7.29	
05 12 23 00-0138	LF 5/8" Horizontal Or Flat Fillet Weld.....	35.81	
	For Aluminum Welding, Add	6.03	
	For Stainless Steel Welding, Add	9.78	
	For Up To 25, Add	12.26	
	For >25 To 50, Add	8.73	
05 12 23 00-0139	LF 3/4" Horizontal Or Flat Fillet Weld.....	45.15	
	For Aluminum Welding, Add	7.79	
	For Stainless Steel Welding, Add	12.56	
	For Up To 25, Add	15.38	
	For >25 To 50, Add	10.95	
05 12 23 00-0140	LF 7/8" Horizontal Or Flat Fillet Weld.....	68.32	
	For Aluminum Welding, Add	11.26	
	For Stainless Steel Welding, Add	18.34	
	For Up To 25, Add	23.49	
	For >25 To 50, Add	16.74	
05 12 23 00-0141	LF 1" Horizontal Or Flat Fillet Weld.....	90.07	
	For Aluminum Welding, Add	15.41	
	For Stainless Steel Welding, Add	24.90	
	For Up To 25, Add	30.73	
	For >25 To 50, Add	21.88	
05 12 23 00-0142	Cold Galvanizing <small>(05 12 23 00-0098)</small>		
05 12 23 00-0143	SF Brush Applied Cold Galvanizing.....	1.50	
05 12 23 00-0144	Metal Grinding <small>(05 12 23 00-0098)</small>		
	Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0145	SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.73	
	Note: Includes rust or scale removal on metal and smoothing surface.		
05 12 23 00-0146	Structural Steel For Buildings And Structures <small>(05 12 23)</small>		
05 12 23 00-0147	First Tier A992/A36 Structural Steel Columns <small>(05 12 23 00-0146)</small>		
	Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0148	LF W14 x 500 A992/A36 Structural Column	738.17	48.16
	For High Strength Low Alloy A572-50 Steel, Add	66.44	
	For High Strength Low Alloy A588 Grade B Steel, Add	147.63	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0149	LF W14 x 426 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	579.78 52.18 115.96	42.04
05	12	23	00-0150	LF W14 x 342 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	469.33 42.24 93.87	36.39
05	12	23	00-0151	LF W14 x 311 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	422.98 38.07 84.60	33.98
05	12	23	00-0152	LF W14 x 283 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	384.17 34.58 76.83	32.03
05	12	23	00-0153	LF W14 x 257 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	338.15 30.43 67.63	30.37
05	12	23	00-0154	LF W14 x 233 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	311.25 28.01 62.25	28.25
05	12	23	00-0155	LF W14 x 211 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	277.11 24.94 55.42	26.30
05	12	23	00-0156	LF W14 x 193 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	250.89 22.58 50.18	25.00
05	12	23	00-0157	LF W14 x 176 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	226.41 20.38 45.28	23.89
05	12	23	00-0158	LF W14 x 159 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	205.01 18.45 41.00	23.06
05	12	23	00-0159	LF W14 x 145 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	198.13 17.83 39.63	22.32
05	12	23	00-0160	LF W14 x 132 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	169.92 15.29 33.98	21.30
05	12	23	00-0161	LF W14 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	159.49 14.35 31.90	20.74
05	12	23	00-0162	LF W14 x 109 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.08 12.88 28.62	19.91
05	12	23	00-0163	LF W14 x 99 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	130.80 11.77 26.16	19.35
05	12	23	00-0164	LF W14 x 90 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	121.71 10.95 24.34	18.89
05	12	23	00-0165	LF W14 x 82 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	112.32 10.11 22.46	18.33
05	12	23	00-0166	LF W14 x 74 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	101.68 9.15 20.34	17.87
05	12	23	00-0167	LF W14 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.18 8.57 19.04	17.60
05	12	23	00-0168	LF W14 x 61 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.03 7.83 17.41	17.13
05	12	23	00-0169	LF W14 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.50 7.16 15.90	16.67
05	12	23	00-0170	LF W14 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	74.64 6.72 14.93	16.39
05	12	23	00-0171	LF W14 x 43 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.63 6.09 13.53	16.11
05	12	23	00-0172	LF W12 x 190 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	264.00 23.76 52.80	25.56
05	12	23	00-0173	LF W12 x 170 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	249.57 22.46 49.91	24.81
05	12	23	00-0174	LF W12 x 152 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	215.51 19.40 43.10	23.06
05	12	23	00-0175	LF W12 x 136 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	204.99 18.45 41.00	22.41
05	12	23	00-0176	LF W12 x 120 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	155.97 14.04 31.19	20.55

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0177	LF		W12 x 106 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.92 12.95 28.78	19.91
05 12 23 00-0178	LF		W12 x 96 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	129.05 11.61 25.81	19.26
05 12 23 00-0179	LF		W12 x 87 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.24 10.73 23.85	18.62
05 12 23 00-0180	LF		W12 x 79 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	104.98 9.45 21.00	18.06
05 12 23 00-0181	LF		W12 x 72 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	96.31 8.67 19.26	17.60
05 12 23 00-0182	LF		W12 x 65 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	88.25 7.94 17.65	17.23
05 12 23 00-0183	LF		W12 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.48 7.69 17.10	17.04
05 12 23 00-0184	LF		W12 x 53 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.49 7.15 15.90	16.67
05 12 23 00-0185	LF		W12 x 50 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.12 6.94 15.42	16.57
05 12 23 00-0186	LF		W12 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.30 6.33 14.06	16.21
05 12 23 00-0187	LF		W12 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	63.28 5.70 12.66	15.84
05 12 23 00-0188	LF		W10 x 112 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	150.41 13.54 30.08	20.28
05 12 23 00-0189	LF		W10 x 110 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.28 12.27 27.26	19.45
05 12 23 00-0190	LF		W10 x 88 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.77 11.05 24.55	18.80
05 12 23 00-0191	LF		W10 x 77 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	109.45 9.85 21.89	18.06
05 12 23 00-0192	LF		W10 x 68 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.82 8.89 19.76	17.60
05 12 23 00-0193	LF		W10 x 60 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	87.03 7.83 17.41	17.13
05 12 23 00-0194	LF		W10 x 54 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.43 7.78 17.29	16.85
05 12 23 00-0195	LF		W10 x 49 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	76.20 6.86 15.24	16.57
05 12 23 00-0196	LF		W10 x 45 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.62 6.63 14.72	16.30
05 12 23 00-0197	LF		W10 x 39 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	64.42 5.80 12.88	16.02
05 12 23 00-0198	LF		W10 x 33 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.47 5.08 11.29	15.55
05 12 23 00-0199	LF		W8 x 67 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	95.28 8.58 19.06	17.60
05 12 23 00-0200	LF		W8 x 58 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.79 7.72 17.16	17.04
05 12 23 00-0201	LF		W8 x 48 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.03 6.93 15.41	16.57
05 12 23 00-0202	LF		W8 x 40 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	66.48 5.98 13.30	16.11
05 12 23 00-0203	LF		W8 x 35 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	60.29 5.43 12.06	15.74
05 12 23 00-0204	LF		W8 x 31 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.32 4.98 11.06	15.55



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0205	LF		W8 x 28 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.24 4.70 10.45	15.37
05 12 23 00-0206	LF		W8 x 24 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.52 4.37 9.70	15.19
05 12 23 00-0207	LF		W8 x 21 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.05 4.14 9.21	15.09
05 12 23 00-0208	LF		W8 x 18 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	41.40 3.73 8.28	14.82
05 12 23 00-0209	LF		W6 x 25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.81 4.57 10.16	15.19
05 12 23 00-0210	LF		W6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.36 3.90 8.67	14.91
05 12 23 00-0211	LF		W6 x 15 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.49 3.37 7.50	14.45
05 12 23 00-0212	LF		W6 x 12 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	35.31 3.18 7.06	14.45
05 12 23 00-0213	LF		W6 x 9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.51 2.93 6.50	14.35
05 12 23 00-0214	LF		W5 x 19 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.74 3.85 8.55	14.91
05 12 23 00-0215	LF		W5 x 16 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.53 3.56 7.91	14.82
05 12 23 00-0216	LF		W4 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.16 3.34 7.43	14.63
05 12 23 00-0217	LF		M6 x 20 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.11 2.53 5.62	14.91
05 12 23 00-0218	LF		M5 x 18.9 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.25 4.16 9.25	14.91
05 12 23 00-0219	LF		M5 x 13 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	38.41 3.46 7.68	14.63
05 12 23 00-0220	LF		S5 x 17.25 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	42.00 3.78 8.40	14.82
05 12 23 00-0221	LF		S5 x 14.75 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.26 3.53 7.85	14.72
05 12 23 00-0222	LF		S5 x 12.5 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.01 3.33 7.40	14.45
05 12 23 00-0223	LF		S5 x 10 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.69 3.03 6.74	14.35
05 12 23 00-0224	LF		S4 x 9.5 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	32.84 2.96 6.57	14.35
05 12 23 00-0225	LF		S4 x 7.7 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.86 2.78 6.17	14.35
05 12 23 00-0226	LF		S3 x 7.5 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.68 2.76 6.14	14.35
05 12 23 00-0227	LF		S3 x 5.7 A992/A36 Structural Column <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.32 2.55 5.66	14.26
05 12 23 00-0228			A992/A36 Structural Steel Beams And Girders (05 12 23 00-0146) Note: Includes material delivery and erection.		
05 12 23 00-0229	LF		W36 x 280 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	323.13 29.08 64.63 2.49 -101.98 38.78	69.45
05 12 23 00-0230	LF		W36 x 260 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	306.72 27.60 61.34 2.34 -96.38 36.81	68.61

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0231	LF		W36 x 210 A992/A36 Structural Beam Or Girder.....	264.92	66.39
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.84	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	52.98	
			<i>For Each Additional Top Copes >2, Add</i>	1.94	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-82.10	
			<i>For Skewed Or Sloped Connections, Add</i>	31.79	
05 12 23 00-0232	LF		W36 x 160 A992/A36 Structural Beam Or Girder.....	223.12	64.27
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	44.62	
			<i>For Each Additional Top Copes >2, Add</i>	1.55	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-67.81	
			<i>For Skewed Or Sloped Connections, Add</i>	26.77	
05 12 23 00-0233	LF		W36 x 150 A992/A36 Structural Beam Or Girder.....	214.57	63.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.31	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.91	
			<i>For Each Additional Top Copes >2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-64.89	
			<i>For Skewed Or Sloped Connections, Add</i>	25.75	
05 12 23 00-0234	LF		W36 x 135 A992/A36 Structural Beam Or Girder.....	202.58	63.25
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.23	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	40.52	
			<i>For Each Additional Top Copes >2, Add</i>	1.35	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-60.79	
			<i>For Skewed Or Sloped Connections, Add</i>	24.31	
05 12 23 00-0235	LF		W33 x 201 A992/A36 Structural Beam Or Girder.....	256.98	65.93
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	23.13	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	51.40	
			<i>For Each Additional Top Copes >2, Add</i>	1.87	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-79.39	
			<i>For Skewed Or Sloped Connections, Add</i>	30.84	
05 12 23 00-0236	LF		W33 x 170 A992/A36 Structural Beam Or Girder.....	232.31	64.73
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.91	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	46.46	
			<i>For Each Additional Top Copes >2, Add</i>	1.63	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-70.96	
			<i>For Skewed Or Sloped Connections, Add</i>	27.88	
05 12 23 00-0237	LF		W33 x 141 A992/A36 Structural Beam Or Girder.....	207.75	63.43
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	41.55	
			<i>For Each Additional Top Copes >2, Add</i>	1.40	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-62.56	
			<i>For Skewed Or Sloped Connections, Add</i>	24.93	
05 12 23 00-0238	LF		W33 x 130 A992/A36 Structural Beam Or Girder.....	198.05	62.96
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	39.61	
			<i>For Each Additional Top Copes >2, Add</i>	1.31	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-59.25	
			<i>For Skewed Or Sloped Connections, Add</i>	23.77	
05 12 23 00-0239	LF		W33 x 118 A992/A36 Structural Beam Or Girder.....	186.78	62.42
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.81	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	37.36	
			<i>For Each Additional Top Copes >2, Add</i>	1.20	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-55.39	
			<i>For Skewed Or Sloped Connections, Add</i>	22.41	
05 12 23 00-0240	LF		W30 x 191 A992/A36 Structural Beam Or Girder.....	246.33	65.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.17	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	49.27	
			<i>For Each Additional Top Copes >2, Add</i>	1.76	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-75.73	
			<i>For Skewed Or Sloped Connections, Add</i>	29.56	
05 12 23 00-0241	LF		W30 x 154 A992/A36 Structural Beam Or Girder.....	214.75	63.89
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.33	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	42.95	
			<i>For Each Additional Top Copes >2, Add</i>	1.47	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-64.94	
			<i>For Skewed Or Sloped Connections, Add</i>	25.77	
05 12 23 00-0242	LF		W30 x 116 A992/A36 Structural Beam Or Girder.....	183.27	62.32
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.49	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	36.65	
			<i>For Each Additional Top Copes >2, Add</i>	1.17	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-54.17	
			<i>For Skewed Or Sloped Connections, Add</i>	21.99	
05 12 23 00-0243	LF		W30 x 108 A992/A36 Structural Beam Or Girder.....	169.12	56.11
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.22	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	33.82	
			<i>For Each Additional Top Copes >2, Add</i>	1.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-50.22	
			<i>For Skewed Or Sloped Connections, Add</i>	20.29	
05 12 23 00-0244	LF		W30 x 99 A992/A36 Structural Beam Or Girder.....	162.21	55.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.60	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.44	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-47.86	
			<i>For Skewed Or Sloped Connections, Add</i>	19.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0245	LF		W27 x 102 A992/A36 Structural Beam Or Girder	162.92	55.84
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.66	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	32.58	
			<i>For Each Additional Top Copes >2, Add</i>	1.03	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-48.09	
			<i>For Skewed Or Sloped Connections, Add</i>	19.55	
05 12 23 00-0246	LF		W27 x 94 A992/A36 Structural Beam Or Girder	156.41	55.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	14.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	31.28	
			<i>For Each Additional Top Copes >2, Add</i>	0.97	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-45.87	
			<i>For Skewed Or Sloped Connections, Add</i>	18.77	
05 12 23 00-0247	LF		W27 x 84 A992/A36 Structural Beam Or Girder	148.48	55.09
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.36	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	29.70	
			<i>For Each Additional Top Copes >2, Add</i>	0.90	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.16	
			<i>For Skewed Or Sloped Connections, Add</i>	17.82	
05 12 23 00-0248	LF		W24 x 94 A992/A36 Structural Beam Or Girder	150.49	55.47
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.54	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	30.10	
			<i>For Each Additional Top Copes >2, Add</i>	0.91	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-43.80	
			<i>For Skewed Or Sloped Connections, Add</i>	18.06	
05 12 23 00-0249	LF		W24 x 84 A992/A36 Structural Beam Or Girder	136.87	49.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.32	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	27.37	
			<i>For Each Additional Top Copes >2, Add</i>	0.84	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-40.03	
			<i>For Skewed Or Sloped Connections, Add</i>	16.42	
05 12 23 00-0250	LF		W24 x 76 A992/A36 Structural Beam Or Girder	130.78	48.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.77	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.16	
			<i>For Each Additional Top Copes >2, Add</i>	0.79	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-37.95	
			<i>For Skewed Or Sloped Connections, Add</i>	15.69	
05 12 23 00-0251	LF		W24 x 68 A992/A36 Structural Beam Or Girder	123.15	48.52
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.08	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.63	
			<i>For Each Additional Top Copes >2, Add</i>	0.71	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-35.34	
			<i>For Skewed Or Sloped Connections, Add</i>	14.78	
05 12 23 00-0252	LF		W24 x 62 A992/A36 Structural Beam Or Girder	119.12	48.24
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.72	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.82	
			<i>For Each Additional Top Copes >2, Add</i>	0.68	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.97	
			<i>For Skewed Or Sloped Connections, Add</i>	14.29	
05 12 23 00-0253	LF		W24 x 55 A992/A36 Structural Beam Or Girder	113.65	48.06
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.23	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	22.73	
			<i>For Each Additional Top Copes >2, Add</i>	0.62	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-32.10	
			<i>For Skewed Or Sloped Connections, Add</i>	13.64	
05 12 23 00-0254	LF		W21 x 93 A992/A36 Structural Beam Or Girder	141.79	49.72
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.76	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	28.36	
			<i>For Each Additional Top Copes >2, Add</i>	0.89	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-41.67	
			<i>For Skewed Or Sloped Connections, Add</i>	17.01	
05 12 23 00-0255	LF		W21 x 83 A992/A36 Structural Beam Or Girder	134.58	49.17
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.11	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	26.92	
			<i>For Each Additional Top Copes >2, Add</i>	0.82	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-39.23	
			<i>For Skewed Or Sloped Connections, Add</i>	16.15	
05 12 23 00-0256	LF		W21 x 73 A992/A36 Structural Beam Or Girder	125.81	48.80
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.32	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	25.16	
			<i>For Each Additional Top Copes >2, Add</i>	0.74	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-36.23	
			<i>For Skewed Or Sloped Connections, Add</i>	15.10	
05 12 23 00-0257	LF		W21 x 68 A992/A36 Structural Beam Or Girder	121.38	48.52
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.92	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	24.28	
			<i>For Each Additional Top Copes >2, Add</i>	0.70	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-34.72	
			<i>For Skewed Or Sloped Connections, Add</i>	14.57	
05 12 23 00-0258	LF		W21 x 62 A992/A36 Structural Beam Or Girder	117.35	48.24
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.56	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	23.47	
			<i>For Each Additional Top Copes >2, Add</i>	0.66	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-33.35	
			<i>For Skewed Or Sloped Connections, Add</i>	14.08	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0259	LF		W21 x 57 A992/A36 Structural Beam Or Girder	113.74	48.16
			For High Strength Low Alloy A572-50 Steel, Add	10.24	
			For High Strength Low Alloy A588 Steel, Add	22.75	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-32.11	
			For Skewed Or Sloped Connections, Add	13.65	
05 12 23 00-0260	LF		W21 x 50 A992/A36 Structural Beam Or Girder	100.63	41.76
			For High Strength Low Alloy A572-50 Steel, Add	9.06	
			For High Strength Low Alloy A588 Steel, Add	20.13	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-28.53	
			For Skewed Or Sloped Connections, Add	12.08	
05 12 23 00-0261	LF		W21 x 44 A992/A36 Structural Beam Or Girder	96.41	41.58
			For High Strength Low Alloy A572-50 Steel, Add	8.68	
			For High Strength Low Alloy A588 Steel, Add	19.28	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-27.09	
			For Skewed Or Sloped Connections, Add	11.57	
05 12 23 00-0262	LF		W18 x 97 A992/A36 Structural Beam Or Girder	144.69	49.72
			For High Strength Low Alloy A572-50 Steel, Add	13.02	
			For High Strength Low Alloy A588 Steel, Add	28.94	
			For Each Additional Top Copes >2, Add	0.92	
			For Structural Tees, WT, MT Or ST, Deduct	-42.67	
			For Skewed Or Sloped Connections, Add	17.36	
05 12 23 00-0263	LF		W18 x 86 A992/A36 Structural Beam Or Girder	136.45	49.26
			For High Strength Low Alloy A572-50 Steel, Add	12.28	
			For High Strength Low Alloy A588 Steel, Add	27.29	
			For Each Additional Top Copes >2, Add	0.84	
			For Structural Tees, WT, MT Or ST, Deduct	-39.87	
			For Skewed Or Sloped Connections, Add	16.37	
05 12 23 00-0264	LF		W18 x 76 A992/A36 Structural Beam Or Girder	129.02	48.80
			For High Strength Low Alloy A572-50 Steel, Add	11.61	
			For High Strength Low Alloy A588 Steel, Add	25.80	
			For Each Additional Top Copes >2, Add	0.77	
			For Structural Tees, WT, MT Or ST, Deduct	-37.34	
			For Skewed Or Sloped Connections, Add	15.48	
05 12 23 00-0265	LF		W18 x 71 A992/A36 Structural Beam Or Girder	123.63	48.70
			For High Strength Low Alloy A572-50 Steel, Add	11.13	
			For High Strength Low Alloy A588 Steel, Add	24.73	
			For Each Additional Top Copes >2, Add	0.72	
			For Structural Tees, WT, MT Or ST, Deduct	-35.48	
			For Skewed Or Sloped Connections, Add	14.84	
05 12 23 00-0266	LF		W18 x 65 A992/A36 Structural Beam Or Girder	118.37	48.52
			For High Strength Low Alloy A572-50 Steel, Add	10.65	
			For High Strength Low Alloy A588 Steel, Add	23.67	
			For Each Additional Top Copes >2, Add	0.67	
			For Structural Tees, WT, MT Or ST, Deduct	-33.68	
			For Skewed Or Sloped Connections, Add	14.20	
05 12 23 00-0267	LF		W18 x 60 A992/A36 Structural Beam Or Girder	113.63	48.16
			For High Strength Low Alloy A572-50 Steel, Add	10.23	
			For High Strength Low Alloy A588 Steel, Add	22.73	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-32.06	
			For Skewed Or Sloped Connections, Add	13.64	
05 12 23 00-0268	LF		W18 x 55 A992/A36 Structural Beam Or Girder	108.87	48.06
			For High Strength Low Alloy A572-50 Steel, Add	9.80	
			For High Strength Low Alloy A588 Steel, Add	21.77	
			For Each Additional Top Copes >2, Add	0.58	
			For Structural Tees, WT, MT Or ST, Deduct	-30.42	
			For Skewed Or Sloped Connections, Add	13.06	
05 12 23 00-0269	LF		W18 x 50 A992/A36 Structural Beam Or Girder	97.72	41.76
			For High Strength Low Alloy A572-50 Steel, Add	8.79	
			For High Strength Low Alloy A588 Steel, Add	19.54	
			For Each Additional Top Copes >2, Add	0.53	
			For Structural Tees, WT, MT Or ST, Deduct	-27.51	
			For Skewed Or Sloped Connections, Add	11.73	
05 12 23 00-0270	LF		W18 x 46 A992/A36 Structural Beam Or Girder	94.01	41.67
			For High Strength Low Alloy A572-50 Steel, Add	8.46	
			For High Strength Low Alloy A588 Steel, Add	18.80	
			For Each Additional Top Copes >2, Add	0.50	
			For Structural Tees, WT, MT Or ST, Deduct	-26.24	
			For Skewed Or Sloped Connections, Add	11.28	
05 12 23 00-0271	LF		W18 x 40 A992/A36 Structural Beam Or Girder	82.02	35.56
			For High Strength Low Alloy A572-50 Steel, Add	7.38	
			For High Strength Low Alloy A588 Steel, Add	16.40	
			For Each Additional Top Copes >2, Add	0.44	
			For Structural Tees, WT, MT Or ST, Deduct	-23.01	
			For Skewed Or Sloped Connections, Add	9.84	
05 12 23 00-0272	LF		W18 x 35 A992/A36 Structural Beam Or Girder	77.37	35.46
			For High Strength Low Alloy A572-50 Steel, Add	6.96	
			For High Strength Low Alloy A588 Steel, Add	15.47	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-21.41	
			For Skewed Or Sloped Connections, Add	9.28	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0273	LF			W16 x 100 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	132.83 11.95 26.57 0.98 -41.32 15.94	32.32
05 12 23 00-0274	LF			W16 x 89 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	122.31 11.01 24.46 0.88 -37.73 14.68	31.76
05 12 23 00-0275	LF			W16 x 77 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	111.03 9.99 22.21 0.78 -33.85 13.32	31.39
05 12 23 00-0276	LF			W16 x 67 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	101.43 9.13 20.29 0.68 -30.56 12.17	30.93
05 12 23 00-0277	LF			W16 x 57 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	91.94 8.27 18.39 0.59 -27.30 11.03	30.47
05 12 23 00-0278	LF			W16 x 50 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	85.31 7.68 17.06 0.53 -25.03 10.24	30.19
05 12 23 00-0279	LF			W16 x 45 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	80.66 7.26 16.13 0.49 -23.43 9.68	30.00
05 12 23 00-0280	LF			W16 x 40 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	75.81 6.82 15.16 0.44 -21.77 9.10	29.73
05 12 23 00-0281	LF			W16 x 36 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	72.01 6.48 14.40 0.41 -20.48 8.64	29.54
05 12 23 00-0282	LF			W16 x 31 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	61.05 5.49 12.21 0.36 -17.60 7.33	23.52
05 12 23 00-0283	LF			W16 x 26 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	65.33 5.88 13.07 0.41 -19.14 7.84	23.25
05 12 23 00-0284	LF			W14 x 99 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	125.71 11.31 25.14 0.97 -39.76 15.09	26.49
05 12 23 00-0285	LF			W14 x 90 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	117.12 10.54 23.42 0.89 -36.83 14.05	26.02
05 12 23 00-0286	LF			W14 x 82 A992/A36 Structural Beam Or Girder For High Strength Low Alloy A572-50 Steel, Add For High Strength Low Alloy A588 Steel, Add For Each Additional Top Copes >2, Add For Structural Tees, WT, MT Or ST, Deduct For Skewed Or Sloped Connections, Add	109.49 9.85 21.90 0.82 -34.21 13.14	25.74

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0287	LF	W14 x 74 A992/A36	Structural Beam Or Girder	101.86	25.37
			For High Strength Low Alloy A572-50 Steel, Add	9.17	
			For High Strength Low Alloy A588 Steel, Add	20.37	
			For Each Additional Top Copes >2, Add	0.75	
			For Structural Tees, WT, MT Or ST, Deduct	-31.59	
			For Skewed Or Sloped Connections, Add	12.22	
05 12 23 00-0288	LF	W14 x 68 A992/A36	Structural Beam Or Girder	96.17	25.10
			For High Strength Low Alloy A572-50 Steel, Add	8.66	
			For High Strength Low Alloy A588 Steel, Add	19.23	
			For Each Additional Top Copes >2, Add	0.69	
			For Structural Tees, WT, MT Or ST, Deduct	-29.65	
			For Skewed Or Sloped Connections, Add	11.54	
05 12 23 00-0289	LF	W14 x 61 A992/A36	Structural Beam Or Girder	89.56	24.81
			For High Strength Low Alloy A572-50 Steel, Add	8.06	
			For High Strength Low Alloy A588 Steel, Add	17.91	
			For Each Additional Top Copes >2, Add	0.63	
			For Structural Tees, WT, MT Or ST, Deduct	-27.37	
			For Skewed Or Sloped Connections, Add	10.75	
05 12 23 00-0290	LF	W14 x 53 A992/A36	Structural Beam Or Girder	82.01	24.45
			For High Strength Low Alloy A572-50 Steel, Add	7.38	
			For High Strength Low Alloy A588 Steel, Add	16.40	
			For Each Additional Top Copes >2, Add	0.56	
			For Structural Tees, WT, MT Or ST, Deduct	-24.79	
			For Skewed Or Sloped Connections, Add	9.84	
05 12 23 00-0291	LF	W14 x 48 A992/A36	Structural Beam Or Girder	77.17	24.17
			For High Strength Low Alloy A572-50 Steel, Add	6.95	
			For High Strength Low Alloy A588 Steel, Add	15.43	
			For Each Additional Top Copes >2, Add	0.51	
			For Structural Tees, WT, MT Or ST, Deduct	-23.13	
			For Skewed Or Sloped Connections, Add	9.26	
05 12 23 00-0292	LF	W14 x 43 A992/A36	Structural Beam Or Girder	72.40	24.08
			For High Strength Low Alloy A572-50 Steel, Add	6.52	
			For High Strength Low Alloy A588 Steel, Add	14.48	
			For Each Additional Top Copes >2, Add	0.47	
			For Structural Tees, WT, MT Or ST, Deduct	-21.49	
			For Skewed Or Sloped Connections, Add	8.69	
05 12 23 00-0293	LF	W14 x 38 A992/A36	Structural Beam Or Girder	67.66	23.89
			For High Strength Low Alloy A572-50 Steel, Add	6.09	
			For High Strength Low Alloy A588 Steel, Add	13.53	
			For Each Additional Top Copes >2, Add	0.42	
			For Structural Tees, WT, MT Or ST, Deduct	-19.88	
			For Skewed Or Sloped Connections, Add	8.12	
05 12 23 00-0294	LF	W14 x 34 A992/A36	Structural Beam Or Girder	63.83	23.61
			For High Strength Low Alloy A572-50 Steel, Add	5.74	
			For High Strength Low Alloy A588 Steel, Add	12.77	
			For Each Additional Top Copes >2, Add	0.39	
			For Structural Tees, WT, MT Or ST, Deduct	-18.56	
			For Skewed Or Sloped Connections, Add	7.66	
05 12 23 00-0295	LF	W14 x 30 A992/A36	Structural Beam Or Girder	60.01	23.52
			For High Strength Low Alloy A572-50 Steel, Add	5.40	
			For High Strength Low Alloy A588 Steel, Add	12.00	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-17.25	
			For Skewed Or Sloped Connections, Add	7.20	
05 12 23 00-0296	LF	W14 x 26 A992/A36	Structural Beam Or Girder	56.19	23.25
			For High Strength Low Alloy A572-50 Steel, Add	5.06	
			For High Strength Low Alloy A588 Steel, Add	11.24	
			For Each Additional Top Copes >2, Add	0.31	
			For Structural Tees, WT, MT Or ST, Deduct	-15.95	
			For Skewed Or Sloped Connections, Add	6.74	
05 12 23 00-0297	LF	W14 x 22 A992/A36	Structural Beam Or Girder	52.49	23.15
			For High Strength Low Alloy A572-50 Steel, Add	4.72	
			For High Strength Low Alloy A588 Steel, Add	10.50	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-14.68	
			For Skewed Or Sloped Connections, Add	6.30	
05 12 23 00-0298	LF	W12 x 87 A992/A36	Structural Beam Or Girder	114.34	25.93
			For High Strength Low Alloy A572-50 Steel, Add	10.29	
			For High Strength Low Alloy A588 Steel, Add	22.87	
			For Each Additional Top Copes >2, Add	0.87	
			For Structural Tees, WT, MT Or ST, Deduct	-35.87	
			For Skewed Or Sloped Connections, Add	13.72	
05 12 23 00-0299	LF	W12 x 79 A992/A36	Structural Beam Or Girder	106.70	25.56
			For High Strength Low Alloy A572-50 Steel, Add	9.60	
			For High Strength Low Alloy A588 Steel, Add	21.34	
			For Each Additional Top Copes >2, Add	0.79	
			For Structural Tees, WT, MT Or ST, Deduct	-33.25	
			For Skewed Or Sloped Connections, Add	12.80	
05 12 23 00-0300	LF	W12 x 72 A992/A36	Structural Beam Or Girder	99.99	25.28
			For High Strength Low Alloy A572-50 Steel, Add	9.00	
			For High Strength Low Alloy A588 Steel, Add	20.00	
			For Each Additional Top Copes >2, Add	0.73	
			For Structural Tees, WT, MT Or ST, Deduct	-30.95	
			For Skewed Or Sloped Connections, Add	12.00	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05	12	23	00-0301	LF W12 x 65 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	93.37 8.40 18.67 0.67 -28.68 11.20	25.00
05	12	23	00-0302	LF W12 x 58 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	86.67 7.80 17.33 0.60 -26.39 10.40	24.64
05	12	23	00-0303	LF W12 x 53 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	82.01 7.38 16.40 0.56 -24.79 9.84	24.45
05	12	23	00-0304	LF W12 x 50 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	79.02 7.11 15.80 0.53 -23.77 9.48	24.35
05	12	23	00-0305	LF W12 x 45 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	74.37 6.69 14.87 0.49 -22.17 8.92	24.17
05	12	23	00-0306	LF W12 x 40 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	63.21 5.69 12.64 0.44 -19.25 7.59	17.96
05	12	23	00-0307	LF W12 x 35 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	58.57 5.27 11.71 0.40 -17.65 7.03	17.87
05	12	23	00-0308	LF W12 x 30 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	53.71 4.83 10.74 0.35 -15.99 6.45	17.60
05	12	23	00-0309	LF W12 x 26 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	49.90 4.49 9.98 0.31 -14.69 5.99	17.41
05	12	23	00-0310	LF W12 x 22 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	46.18 4.16 9.24 0.28 -13.41 5.54	17.23
05	12	23	00-0311	LF W12 x 19 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	43.28 3.90 8.66 0.25 -12.41 5.19	17.13
05	12	23	00-0312	LF W12 x 16 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	40.40 3.64 8.08 0.22 -11.43 4.85	16.85
05	12	23	00-0313	LF W12 x 14 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	38.53 3.47 7.71 0.21 -10.79 4.62	16.85
05	12	23	00-0314	LF W10 x 68 A992/A36 Structural Beam Or Girder <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes >2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	90.16 8.11 18.03 0.70 -28.47 10.82	19.35

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0315	LF		W10 x 60 A992/A36 Structural Beam Or Girder	82.62	18.98
			For High Strength Low Alloy A572-50 Steel, Add	7.44	
			For High Strength Low Alloy A588 Steel, Add	16.52	
			For Each Additional Top Copes >2, Add	0.62	
			For Structural Tees, WT, MT Or ST, Deduct	-25.89	
			For Skewed Or Sloped Connections, Add	9.91	
05 12 23 00-0316	LF		W10 x 54 A992/A36 Structural Beam Or Girder	76.85	18.62
			For High Strength Low Alloy A572-50 Steel, Add	6.92	
			For High Strength Low Alloy A588 Steel, Add	15.37	
			For Each Additional Top Copes >2, Add	0.57	
			For Structural Tees, WT, MT Or ST, Deduct	-23.91	
			For Skewed Or Sloped Connections, Add	9.22	
05 12 23 00-0317	LF		W10 x 49 A992/A36 Structural Beam Or Girder	72.10	18.43
			For High Strength Low Alloy A572-50 Steel, Add	6.49	
			For High Strength Low Alloy A588 Steel, Add	14.42	
			For Each Additional Top Copes >2, Add	0.52	
			For Structural Tees, WT, MT Or ST, Deduct	-22.29	
			For Skewed Or Sloped Connections, Add	8.65	
05 12 23 00-0318	LF		W10 x 45 A992/A36 Structural Beam Or Girder	68.28	18.33
			For High Strength Low Alloy A572-50 Steel, Add	6.15	
			For High Strength Low Alloy A588 Steel, Add	13.66	
			For Each Additional Top Copes >2, Add	0.49	
			For Structural Tees, WT, MT Or ST, Deduct	-20.98	
			For Skewed Or Sloped Connections, Add	8.19	
05 12 23 00-0319	LF		W10 x 39 A992/A36 Structural Beam Or Girder	62.59	17.96
			For High Strength Low Alloy A572-50 Steel, Add	5.63	
			For High Strength Low Alloy A588 Steel, Add	12.52	
			For Each Additional Top Copes >2, Add	0.43	
			For Structural Tees, WT, MT Or ST, Deduct	-19.03	
			For Skewed Or Sloped Connections, Add	7.51	
05 12 23 00-0320	LF		W10 x 33 A992/A36 Structural Beam Or Girder	56.92	17.69
			For High Strength Low Alloy A572-50 Steel, Add	5.12	
			For High Strength Low Alloy A588 Steel, Add	11.38	
			For Each Additional Top Copes >2, Add	0.38	
			For Structural Tees, WT, MT Or ST, Deduct	-17.09	
			For Skewed Or Sloped Connections, Add	6.83	
05 12 23 00-0321	LF		W10 x 30 A992/A36 Structural Beam Or Girder	54.02	17.60
			For High Strength Low Alloy A572-50 Steel, Add	4.86	
			For High Strength Low Alloy A588 Steel, Add	10.80	
			For Each Additional Top Copes >2, Add	0.35	
			For Structural Tees, WT, MT Or ST, Deduct	-16.09	
			For Skewed Or Sloped Connections, Add	6.48	
05 12 23 00-0322	LF		W10 x 26 A992/A36 Structural Beam Or Girder	50.31	17.50
			For High Strength Low Alloy A572-50 Steel, Add	4.53	
			For High Strength Low Alloy A588 Steel, Add	10.06	
			For Each Additional Top Copes >2, Add	0.32	
			For Structural Tees, WT, MT Or ST, Deduct	-14.82	
			For Skewed Or Sloped Connections, Add	6.04	
05 12 23 00-0323	LF		W10 x 22 A992/A36 Structural Beam Or Girder	46.38	17.23
			For High Strength Low Alloy A572-50 Steel, Add	4.17	
			For High Strength Low Alloy A588 Steel, Add	9.28	
			For Each Additional Top Copes >2, Add	0.28	
			For Structural Tees, WT, MT Or ST, Deduct	-13.48	
			For Skewed Or Sloped Connections, Add	5.57	
05 12 23 00-0324	LF		W10 x 19 A992/A36 Structural Beam Or Girder	43.59	17.13
			For High Strength Low Alloy A572-50 Steel, Add	3.92	
			For High Strength Low Alloy A588 Steel, Add	8.72	
			For Each Additional Top Copes >2, Add	0.25	
			For Structural Tees, WT, MT Or ST, Deduct	-12.52	
			For Skewed Or Sloped Connections, Add	5.23	
05 12 23 00-0325	LF		W10 x 17 A992/A36 Structural Beam Or Girder	41.63	17.04
			For High Strength Low Alloy A572-50 Steel, Add	3.75	
			For High Strength Low Alloy A588 Steel, Add	8.33	
			For Each Additional Top Copes >2, Add	0.23	
			For Structural Tees, WT, MT Or ST, Deduct	-11.85	
			For Skewed Or Sloped Connections, Add	5.00	
05 12 23 00-0326	LF		W10 x 15 A992/A36 Structural Beam Or Girder	39.78	16.85
			For High Strength Low Alloy A572-50 Steel, Add	3.58	
			For High Strength Low Alloy A588 Steel, Add	7.96	
			For Each Additional Top Copes >2, Add	0.22	
			For Structural Tees, WT, MT Or ST, Deduct	-11.21	
			For Skewed Or Sloped Connections, Add	4.77	
05 12 23 00-0327	LF		W10 x 12 A992/A36 Structural Beam Or Girder	36.97	16.85
			For High Strength Low Alloy A572-50 Steel, Add	3.33	
			For High Strength Low Alloy A588 Steel, Add	7.39	
			For Each Additional Top Copes >2, Add	0.19	
			For Structural Tees, WT, MT Or ST, Deduct	-10.25	
			For Skewed Or Sloped Connections, Add	4.44	
05 12 23 00-0328	LF		W8 x 35 A992/A36 Structural Beam Or Girder	58.77	17.87
			For High Strength Low Alloy A572-50 Steel, Add	5.29	
			For High Strength Low Alloy A588 Steel, Add	11.75	
			For Each Additional Top Copes >2, Add	0.40	
			For Structural Tees, WT, MT Or ST, Deduct	-17.72	
			For Skewed Or Sloped Connections, Add	7.05	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329 LF W8 x 31 A992/A36 Structural Beam Or Girder	54.96	17.60
For High Strength Low Alloy A572-50 Steel, Add	4.95	
For High Strength Low Alloy A588 Steel, Add	10.99	
For Each Additional Top Copes >2, Add	0.36	
For Structural Tees, WT, MT Or ST, Deduct	-16.42	
For Skewed Or Sloped Connections, Add	6.60	
05 12 23 00-0330 LF W8 x 28 A992/A36 Structural Beam Or Girder	51.14	16.57
For High Strength Low Alloy A572-50 Steel, Add	4.60	
For High Strength Low Alloy A588 Steel, Add	10.23	
For Each Additional Top Copes >2, Add	0.33	
For Structural Tees, WT, MT Or ST, Deduct	-15.25	
For Skewed Or Sloped Connections, Add	6.14	
05 12 23 00-0331 LF W8 x 24 A992/A36 Structural Beam Or Girder	46.71	15.55
For High Strength Low Alloy A572-50 Steel, Add	4.20	
For High Strength Low Alloy A588 Steel, Add	9.34	
For Each Additional Top Copes >2, Add	0.30	
For Structural Tees, WT, MT Or ST, Deduct	-13.86	
For Skewed Or Sloped Connections, Add	5.61	
05 12 23 00-0332 LF W8 x 21 A992/A36 Structural Beam Or Girder	43.48	14.45
For High Strength Low Alloy A572-50 Steel, Add	3.91	
For High Strength Low Alloy A588 Steel, Add	8.70	
For Each Additional Top Copes >2, Add	0.28	
For Structural Tees, WT, MT Or ST, Deduct	-12.90	
For Skewed Or Sloped Connections, Add	5.22	
05 12 23 00-0333 LF W8 x 18 A992/A36 Structural Beam Or Girder	38.20	13.43
For High Strength Low Alloy A572-50 Steel, Add	3.44	
For High Strength Low Alloy A588 Steel, Add	7.64	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-11.22	
For Skewed Or Sloped Connections, Add	4.58	
05 12 23 00-0334 LF W8 x 10 A992/A36 Structural Beam Or Girder	22.93	9.63
For High Strength Low Alloy A572-50 Steel, Add	2.06	
For High Strength Low Alloy A588 Steel, Add	4.59	
For Each Additional Top Copes >2, Add	0.13	
For Structural Tees, WT, MT Or ST, Deduct	-6.50	
For Skewed Or Sloped Connections, Add	2.75	
05 12 23 00-0335 LF W6 x 9 A992/A36 Structural Beam Or Girder	20.90	7.87
For High Strength Low Alloy A572-50 Steel, Add	1.88	
For High Strength Low Alloy A588 Steel, Add	4.18	
For Each Additional Top Copes >2, Add	0.13	
For Structural Tees, WT, MT Or ST, Deduct	-6.07	
For Skewed Or Sloped Connections, Add	2.51	
05 12 23 00-0336 Angle Iron (05 12 23 00-0146)		
05 12 23 00-0337 1/8" Thick (05 12 23 00-0336)		
05 12 23 00-0338 LF 1/2" x 1/2" x 1/8" Angle Iron	2.05	1.34
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.28	
For >1,000, Deduct	-0.38	
For 316 Stainless Steel, Add	0.83	
For Aluminum, Add	0.05	
For Galvanized Steel, Add	0.16	
For 304 Stainless Steel, Add	0.74	
For High Strength Steel (HSS), Add	0.41	
05 12 23 00-0339 LF 3/4" x 1/2" x 1/8" Angle Iron	2.35	1.52
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.43	
For 316 Stainless Steel, Add	1.06	
For Aluminum, Add	0.06	
For Galvanized Steel, Add	0.20	
For 304 Stainless Steel, Add	0.94	
For High Strength Steel (HSS), Add	0.47	
05 12 23 00-0340 LF 3/4" x 3/4" x 1/8" Angle Iron	2.64	1.68
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.36	
For >1,000, Deduct	-0.48	
For 316 Stainless Steel, Add	1.31	
For Aluminum, Add	0.07	
For Galvanized Steel, Add	0.25	
For 304 Stainless Steel, Add	1.17	
For High Strength Steel (HSS), Add	0.53	
05 12 23 00-0341 LF 1" x 3/4" x 1/8" Angle Iron	2.97	1.86
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.40	
For >1,000, Deduct	-0.53	
For 316 Stainless Steel, Add	1.54	
For Aluminum, Add	0.09	
For Galvanized Steel, Add	0.30	
For 304 Stainless Steel, Add	1.37	
For High Strength Steel (HSS), Add	0.59	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0342	LF		1" x 1" x 1/8" Angle Iron	3.25	2.01
			<i>For >100 To 250, Deduct</i>	-0.20	
			<i>For >250 To 500, Deduct</i>	-0.28	
			<i>For >500 To 1,000, Deduct</i>	-0.43	
			<i>For >1,000, Deduct</i>	-0.58	
			<i>For 316 Stainless Steel, Add</i>	1.79	
			<i>For Aluminum, Add</i>	0.10	
			<i>For Galvanized Steel, Add</i>	0.35	
			<i>For 304 Stainless Steel, Add</i>	1.60	
			<i>For High Strength Steel (HSS), Add</i>	0.65	
05 12 23 00-0343	LF		1-1/4" x 1-1/4" x 1/8" Angle Iron	3.86	2.37
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000, Deduct</i>	-0.68	
			<i>For 316 Stainless Steel, Add</i>	2.24	
			<i>For Aluminum, Add</i>	0.13	
			<i>For Galvanized Steel, Add</i>	0.43	
			<i>For 304 Stainless Steel, Add</i>	2.00	
			<i>For High Strength Steel (HSS), Add</i>	0.77	
05 12 23 00-0344	LF		1-1/2" x 1" x 1/8" Angle Iron	3.86	2.37
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.33	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000, Deduct</i>	-0.68	
			<i>For 316 Stainless Steel, Add</i>	2.24	
			<i>For Aluminum, Add</i>	0.13	
			<i>For Galvanized Steel, Add</i>	0.43	
			<i>For 304 Stainless Steel, Add</i>	2.00	
			<i>For High Strength Steel (HSS), Add</i>	0.77	
05 12 23 00-0345	LF		1-1/2" x 1-1/2" x 1/8" Angle Iron	4.63	2.84
			<i>For >100 To 250, Deduct</i>	-0.28	
			<i>For >250 To 500, Deduct</i>	-0.40	
			<i>For >500 To 1,000, Deduct</i>	-0.61	
			<i>For >1,000, Deduct</i>	-0.82	
			<i>For 316 Stainless Steel, Add</i>	2.72	
			<i>For Aluminum, Add</i>	0.15	
			<i>For Galvanized Steel, Add</i>	0.53	
			<i>For 304 Stainless Steel, Add</i>	2.42	
			<i>For High Strength Steel (HSS), Add</i>	0.93	
05 12 23 00-0346	LF		2" x 2" x 1/8" Angle Iron	6.29	3.86
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.54	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.11	
			<i>For 316 Stainless Steel, Add</i>	3.68	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.71	
			<i>For 304 Stainless Steel, Add</i>	3.28	
			<i>For High Strength Steel (HSS), Add</i>	1.26	
05 12 23 00-0347			3/16" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0348	LF		1-1/4" x 1-1/4" x 3/16" Angle Iron	4.37	2.51
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.75	
			<i>For 316 Stainless Steel, Add</i>	3.30	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.64	
			<i>For 304 Stainless Steel, Add</i>	2.94	
			<i>For High Strength Steel (HSS), Add</i>	0.87	
05 12 23 00-0349	LF		1-1/2" x 1" x 3/16" Angle Iron	4.37	2.51
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.55	
			<i>For >1,000, Deduct</i>	-0.75	
			<i>For 316 Stainless Steel, Add</i>	3.30	
			<i>For Aluminum, Add</i>	0.19	
			<i>For Galvanized Steel, Add</i>	0.64	
			<i>For 304 Stainless Steel, Add</i>	2.94	
			<i>For High Strength Steel (HSS), Add</i>	0.87	
05 12 23 00-0350	LF		1-1/2" x 1-1/2" x 3/16" Angle Iron	4.82	2.69
			<i>For >100 To 250, Deduct</i>	-0.27	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.60	
			<i>For >1,000, Deduct</i>	-0.81	
			<i>For 316 Stainless Steel, Add</i>	4.00	
			<i>For Aluminum, Add</i>	0.23	
			<i>For Galvanized Steel, Add</i>	0.78	
			<i>For 304 Stainless Steel, Add</i>	3.56	
			<i>For High Strength Steel (HSS), Add</i>	0.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0351 LF 2" x 2" x 3/16" Angle Iron.....	5.53	2.88
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.43	
For >500 To 1,000, Deduct	-0.66	
For >1,000, Deduct	-0.89	
For 316 Stainless Steel, Add	5.44	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.05	
For 304 Stainless Steel, Add	4.85	
For High Strength Steel (HSS), Add	1.11	
05 12 23 00-0352 LF 2-1/2" x 2" x 3/16" Angle Iron.....	6.03	3.08
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.71	
For >1,000, Deduct	-0.97	
For 316 Stainless Steel, Add	6.14	
For Aluminum, Add	0.35	
For Galvanized Steel, Add	1.19	
For 304 Stainless Steel, Add	5.47	
For High Strength Steel (HSS), Add	1.21	
05 12 23 00-0353 LF 2-1/2" x 2-1/2" x 3/16" Angle Iron.....	6.55	3.30
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.04	
For 316 Stainless Steel, Add	6.88	
For Aluminum, Add	0.39	
For Galvanized Steel, Add	1.33	
For 304 Stainless Steel, Add	6.13	
For High Strength Steel (HSS), Add	1.31	
05 12 23 00-0354 LF 3" x 2" x 3/16" Angle Iron.....	6.54	3.30
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.04	
For 316 Stainless Steel, Add	6.85	
For Aluminum, Add	0.39	
For Galvanized Steel, Add	1.33	
For 304 Stainless Steel, Add	6.10	
For High Strength Steel (HSS), Add	1.31	
05 12 23 00-0355 LF 3" x 2-1/2" x 3/16" Angle Iron.....	7.23	3.64
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.15	
For 316 Stainless Steel, Add	7.58	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.47	
For 304 Stainless Steel, Add	6.75	
For High Strength Steel (HSS), Add	1.45	
05 12 23 00-0356 LF 3" x 3" x 3/16" Angle Iron.....	7.90	3.99
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.93	
For >1,000, Deduct	-1.26	
For 316 Stainless Steel, Add	8.29	
For Aluminum, Add	0.47	
For Galvanized Steel, Add	1.61	
For 304 Stainless Steel, Add	7.38	
For High Strength Steel (HSS), Add	1.58	
05 12 23 00-0357 1/4" Thick (05 12 23 00-0336)		
05 12 23 00-0358 LF 1-1/2" x 1" x 1/4" Angle Iron.....	4.85	2.65
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.60	
For >1,000, Deduct	-0.81	
For 316 Stainless Steel, Add	4.22	
For Aluminum, Add	0.24	
For Galvanized Steel, Add	0.82	
For 304 Stainless Steel, Add	3.76	
For High Strength Steel (HSS), Add	0.97	
05 12 23 00-0359 LF 1-1/2" x 1-1/2" x 1/4" Angle Iron.....	5.39	2.83
For >100 To 250, Deduct	-0.28	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.65	
For >1,000, Deduct	-0.88	
For 316 Stainless Steel, Add	5.18	
For Aluminum, Add	0.29	
For Galvanized Steel, Add	1.00	
For 304 Stainless Steel, Add	4.62	
For High Strength Steel (HSS), Add	1.08	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0360	LF		2" x 2" x 1/4" Angle Iron	6.25	3.02
			For >100 To 250, Deduct	-0.30	
			For >250 To 500, Deduct	-0.46	
			For >500 To 1,000, Deduct	-0.72	
			For >1,000, Deduct	-0.97	
			For 316 Stainless Steel, Add	7.10	
			For Aluminum, Add	0.40	
			For Galvanized Steel, Add	1.38	
			For 304 Stainless Steel, Add	6.33	
			For High Strength Steel (HSS), Add	1.25	
05 12 23 00-0361	LF		2-1/2" x 2" x 1/4" Angle Iron	6.99	3.34
			For >100 To 250, Deduct	-0.33	
			For >250 To 500, Deduct	-0.51	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000, Deduct	-1.08	
			For 316 Stainless Steel, Add	8.10	
			For Aluminum, Add	0.46	
			For Galvanized Steel, Add	1.57	
			For 304 Stainless Steel, Add	7.21	
			For High Strength Steel (HSS), Add	1.40	
05 12 23 00-0362	LF		2-1/2" x 2-1/2" x 1/4" Angle Iron	7.75	3.66
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.88	
			For >1,000, Deduct	-1.19	
			For 316 Stainless Steel, Add	9.15	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.77	
			For 304 Stainless Steel, Add	8.15	
			For High Strength Steel (HSS), Add	1.55	
05 12 23 00-0363	LF		3" x 2" x 1/4" Angle Iron	7.75	3.66
			For >100 To 250, Deduct	-0.37	
			For >250 To 500, Deduct	-0.56	
			For >500 To 1,000, Deduct	-0.88	
			For >1,000, Deduct	-1.19	
			For 316 Stainless Steel, Add	9.15	
			For Aluminum, Add	0.51	
			For Galvanized Steel, Add	1.77	
			For 304 Stainless Steel, Add	8.15	
			For High Strength Steel (HSS), Add	1.55	
05 12 23 00-0364	LF		3" x 2-1/2" x 1/4" Angle Iron	8.57	4.07
			For >100 To 250, Deduct	-0.41	
			For >250 To 500, Deduct	-0.62	
			For >500 To 1,000, Deduct	-0.97	
			For >1,000, Deduct	-1.32	
			For 316 Stainless Steel, Add	10.05	
			For Aluminum, Add	0.57	
			For Galvanized Steel, Add	1.95	
			For 304 Stainless Steel, Add	8.95	
			For High Strength Steel (HSS), Add	1.71	
05 12 23 00-0365	LF		3" x 3" x 1/4" Angle Iron	9.37	4.47
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.68	
			For >500 To 1,000, Deduct	-1.06	
			For >1,000, Deduct	-1.45	
			For 316 Stainless Steel, Add	10.91	
			For Aluminum, Add	0.61	
			For Galvanized Steel, Add	2.11	
			For 304 Stainless Steel, Add	9.72	
			For High Strength Steel (HSS), Add	1.87	
05 12 23 00-0366	LF		3-1/2" x 3" x 1/4" Angle Iron	10.17	4.81
			For >100 To 250, Deduct	-0.48	
			For >250 To 500, Deduct	-0.74	
			For >500 To 1,000, Deduct	-1.15	
			For >1,000, Deduct	-1.56	
			For 316 Stainless Steel, Add	12.03	
			For Aluminum, Add	0.68	
			For Galvanized Steel, Add	2.33	
			For 304 Stainless Steel, Add	10.72	
			For High Strength Steel (HSS), Add	2.03	
05 12 23 00-0367	LF		3-1/2" x 3-1/2" x 1/4" Angle Iron	10.74	0.50
			For >100 To 250, Deduct	-0.50	
			For >250 To 500, Deduct	-0.77	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000, Deduct	-1.64	
			For 316 Stainless Steel, Add	12.96	
			For Aluminum, Add	0.73	
			For Galvanized Steel, Add	2.51	
			For 304 Stainless Steel, Add	11.54	
			For High Strength Steel (HSS), Add	2.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0368 LF 4" x 3" x 1/4" Angle Iron.....	10.74	5.02
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.21	
For >1,000, Deduct	-1.64	
For 316 Stainless Steel, Add	12.96	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.51	
For 304 Stainless Steel, Add	11.54	
For High Strength Steel (HSS), Add	2.15	
05 12 23 00-0369 LF 4" x 3-1/2" x 1/4" Angle Iron.....	11.30	5.23
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.81	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-1.72	
For 316 Stainless Steel, Add	13.82	
For Aluminum, Add	0.78	
For Galvanized Steel, Add	2.68	
For 304 Stainless Steel, Add	12.31	
For High Strength Steel (HSS), Add	2.26	
05 12 23 00-0370 LF 4" x 4" x 1/4" Angle Iron.....	11.89	5.46
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.80	
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
For High Strength Steel (HSS), Add	2.38	
05 12 23 00-0371 LF 5" x 3" x 1/4" Angle Iron.....	11.89	5.46
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.84	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.80	
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
For High Strength Steel (HSS), Add	2.38	
05 12 23 00-0372 LF 5" x 3-1/2" x 1/4" Angle Iron.....	12.55	5.75
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.89	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.90	
For 316 Stainless Steel, Add	15.62	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	13.91	
For High Strength Steel (HSS), Add	2.51	
05 12 23 00-0373 5/16" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0374 LF 2-1/2" x 2" x 5/16" Angle Iron.....	8.32	3.89
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.93	
For >1,000, Deduct	-1.27	
For 316 Stainless Steel, Add	10.05	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.95	
For 304 Stainless Steel, Add	8.95	
For High Strength Steel (HSS), Add	1.66	
05 12 23 00-0375 LF 2-1/2" x 2-1/2" x 5/16" Angle Iron.....	8.99	4.12
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.36	
For 316 Stainless Steel, Add	11.17	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.80	
05 12 23 00-0376 LF 3" x 2" x 5/16" Angle Iron.....	8.99	4.12
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.36	
For 316 Stainless Steel, Add	11.17	
For Aluminum, Add	0.63	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	9.95	
For High Strength Steel (HSS), Add	1.80	

05 Metals

05 10 Structural Metal Framing

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0377	LF		3" x 2-1/2" x 5/16" Angle Iron.....	9.94	4.52
			For >100 To 250, Deduct	-0.45	
			For >250 To 500, Deduct	-0.70	
			For >500 To 1,000, Deduct	-1.10	
			For >1,000, Deduct	-1.50	
			For 316 Stainless Steel, Add	12.51	
			For Aluminum, Add	0.70	
			For Galvanized Steel, Add	2.42	
			For 304 Stainless Steel, Add	11.14	
			For High Strength Steel (HSS), Add	1.99	
05 12 23 00-0378	LF		3" x 3" x 5/16" Angle Iron.....	10.81	4.91
			For >100 To 250, Deduct	-0.49	
			For >250 To 500, Deduct	-0.76	
			For >500 To 1,000, Deduct	-1.20	
			For >1,000, Deduct	-1.63	
			For 316 Stainless Steel, Add	13.63	
			For Aluminum, Add	0.77	
			For Galvanized Steel, Add	2.64	
			For 304 Stainless Steel, Add	12.14	
			For High Strength Steel (HSS), Add	2.16	
05 12 23 00-0379	LF		3-1/2" x 3" x 5/16" Angle Iron.....	11.49	5.16
			For >100 To 250, Deduct	-0.52	
			For >250 To 500, Deduct	-0.80	
			For >500 To 1,000, Deduct	-1.26	
			For >1,000, Deduct	-1.72	
			For 316 Stainless Steel, Add	14.75	
			For Aluminum, Add	0.83	
			For Galvanized Steel, Add	2.86	
			For 304 Stainless Steel, Add	13.14	
			For High Strength Steel (HSS), Add	2.30	
05 12 23 00-0380	LF		3-1/2" x 3-1/2" x 5/16" Angle Iron.....	12.24	5.42
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000, Deduct	-1.82	
			For 316 Stainless Steel, Add	16.06	
			For Aluminum, Add	0.90	
			For Galvanized Steel, Add	3.11	
			For 304 Stainless Steel, Add	14.31	
			For High Strength Steel (HSS), Add	2.45	
05 12 23 00-0381	LF		4" x 3" x 5/16" Angle Iron.....	12.24	5.42
			For >100 To 250, Deduct	-0.54	
			For >250 To 500, Deduct	-0.85	
			For >500 To 1,000, Deduct	-1.33	
			For >1,000, Deduct	-1.82	
			For 316 Stainless Steel, Add	16.06	
			For Aluminum, Add	0.90	
			For Galvanized Steel, Add	3.11	
			For 304 Stainless Steel, Add	14.31	
			For High Strength Steel (HSS), Add	2.45	
05 12 23 00-0382	LF		4" x 3-1/2" x 5/16" Angle Iron.....	12.99	5.73
			For >100 To 250, Deduct	-0.57	
			For >250 To 500, Deduct	-0.90	
			For >500 To 1,000, Deduct	-1.41	
			For >1,000, Deduct	-1.93	
			For 316 Stainless Steel, Add	17.15	
			For Aluminum, Add	0.96	
			For Galvanized Steel, Add	3.32	
			For 304 Stainless Steel, Add	15.28	
			For High Strength Steel (HSS), Add	2.60	
05 12 23 00-0383	LF		4" x 4" x 5/16" Angle Iron.....	13.70	5.98
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-0.94	
			For >500 To 1,000, Deduct	-1.48	
			For >1,000, Deduct	-2.02	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	
			For High Strength Steel (HSS), Add	2.74	
05 12 23 00-0384	LF		5" x 3" x 5/16" Angle Iron.....	13.70	5.98
			For >100 To 250, Deduct	-0.60	
			For >250 To 500, Deduct	-0.94	
			For >500 To 1,000, Deduct	-1.48	
			For >1,000, Deduct	-2.02	
			For 316 Stainless Steel, Add	18.34	
			For Aluminum, Add	1.03	
			For Galvanized Steel, Add	3.55	
			For 304 Stainless Steel, Add	16.33	
			For High Strength Steel (HSS), Add	2.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0385 LF 5" x 3-1/2" x 5/16" Angle Iron.....	14.36	6.23
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.11	
For 316 Stainless Steel, Add	19.39	
For Aluminum, Add	1.09	
For Galvanized Steel, Add	3.76	
For 304 Stainless Steel, Add	17.27	
For High Strength Steel (HSS), Add	2.87	
05 12 23 00-0386 LF 5" x 5" x 5/16" Angle Iron.....	15.85	6.49
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-1.66	
For >1,000, Deduct	-2.27	
For 316 Stainless Steel, Add	23.01	
For Aluminum, Add	1.29	
For Galvanized Steel, Add	4.46	
For 304 Stainless Steel, Add	20.49	
For High Strength Steel (HSS), Add	3.17	
05 12 23 00-0387 LF 6" x 3-1/2" x 5/16" Angle Iron.....	15.85	6.76
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.69	
For >1,000, Deduct	-2.32	
For 316 Stainless Steel, Add	21.86	
For Aluminum, Add	1.23	
For Galvanized Steel, Add	4.23	
For 304 Stainless Steel, Add	19.47	
For High Strength Steel (HSS), Add	3.17	
05 12 23 00-0388 3/8" Thick <small>(05 12 23 00-0386)</small>		
05 12 23 00-0389 LF 3" x 2" x 3/8" Angle Iron.....	9.86	4.31
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.46	
For 316 Stainless Steel, Add	13.15	
For Aluminum, Add	0.74	
For Galvanized Steel, Add	2.55	
For 304 Stainless Steel, Add	11.71	
For High Strength Steel (HSS), Add	1.97	
05 12 23 00-0390 LF 3" x 2-1/2" x 3/8" Angle Iron.....	10.84	4.67
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.17	
For >1,000, Deduct	-1.59	
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
For High Strength Steel (HSS), Add	2.17	
05 12 23 00-0391 LF 3" x 3" x 3/8" Angle Iron.....	11.72	5.03
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.80	
For >500 To 1,000, Deduct	-1.26	
For >1,000, Deduct	-1.72	
For 316 Stainless Steel, Add	16.06	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.11	
For 304 Stainless Steel, Add	14.31	
For High Strength Steel (HSS), Add	2.34	
05 12 23 00-0392 LF 3-1/2" x 3" x 3/8" Angle Iron.....	12.41	5.17
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.83	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.79	
For 316 Stainless Steel, Add	17.66	
For Aluminum, Add	0.99	
For Galvanized Steel, Add	3.42	
For 304 Stainless Steel, Add	15.73	
For High Strength Steel (HSS), Add	2.48	
05 12 23 00-0393 LF 3-1/2" x 3-1/2" x 3/8" Angle Iron.....	13.19	5.46
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.90	
For 316 Stainless Steel, Add	18.94	
For Aluminum, Add	1.07	
For Galvanized Steel, Add	3.67	
For 304 Stainless Steel, Add	16.87	
For High Strength Steel (HSS), Add	2.64	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0394	LF		4" x 3" x 3/8" Angle Iron	13.19	5.46
			For >100 To 250, Deduct	-0.55	
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-1.39	
			For >1,000, Deduct	-1.90	
			For 316 Stainless Steel, Add	18.94	
			For Aluminum, Add	1.07	
			For Galvanized Steel, Add	3.67	
			For 304 Stainless Steel, Add	16.87	
			For High Strength Steel (HSS), Add	2.64	
05 12 23 00-0395	LF		4" x 3-1/2" x 3/8" Angle Iron	14.26	5.94
			For >100 To 250, Deduct	-0.59	
			For >250 To 500, Deduct	-0.95	
			For >500 To 1,000, Deduct	-1.51	
			For >1,000, Deduct	-2.06	
			For 316 Stainless Steel, Add	20.29	
			For Aluminum, Add	1.14	
			For Galvanized Steel, Add	3.93	
			For 304 Stainless Steel, Add	18.07	
			For High Strength Steel (HSS), Add	2.85	
05 12 23 00-0396	LF		4" x 4" x 3/8" Angle Iron	14.98	6.11
			For >100 To 250, Deduct	-0.61	
			For >250 To 500, Deduct	-0.99	
			For >500 To 1,000, Deduct	-1.56	
			For >1,000, Deduct	-2.14	
			For 316 Stainless Steel, Add	21.86	
			For Aluminum, Add	1.23	
			For Galvanized Steel, Add	4.23	
			For 304 Stainless Steel, Add	19.47	
			For High Strength Steel (HSS), Add	3.00	
05 12 23 00-0397	LF		5" x 3" x 3/8" Angle Iron	15.31	6.36
			For >100 To 250, Deduct	-0.64	
			For >250 To 500, Deduct	-1.02	
			For >500 To 1,000, Deduct	-1.61	
			For >1,000, Deduct	-2.21	
			For 316 Stainless Steel, Add	21.86	
			For Aluminum, Add	1.23	
			For Galvanized Steel, Add	4.23	
			For 304 Stainless Steel, Add	19.47	
			For High Strength Steel (HSS), Add	3.06	
05 12 23 00-0398	LF		5" x 3-1/2" x 3/8" Angle Iron	16.39	6.85
			For >100 To 250, Deduct	-0.69	
			For >250 To 500, Deduct	-1.10	
			For >500 To 1,000, Deduct	-1.73	
			For >1,000, Deduct	-2.37	
			For 316 Stainless Steel, Add	23.20	
			For Aluminum, Add	1.31	
			For Galvanized Steel, Add	4.50	
			For 304 Stainless Steel, Add	20.66	
			For High Strength Steel (HSS), Add	3.28	
05 12 23 00-0399	LF		5" x 5" x 3/8" Angle Iron	19.23	7.98
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.28	
			For >500 To 1,000, Deduct	-2.03	
			For >1,000, Deduct	-2.77	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
			For 304 Stainless Steel, Add	24.48	
			For High Strength Steel (HSS), Add	3.85	
05 12 23 00-0400	LF		6" x 3-1/2" x 3/8" Angle Iron	18.04	7.42
			For >100 To 250, Deduct	-0.74	
			For >250 To 500, Deduct	-1.19	
			For >500 To 1,000, Deduct	-1.89	
			For >1,000, Deduct	-2.59	
			For 316 Stainless Steel, Add	26.08	
			For Aluminum, Add	1.47	
			For Galvanized Steel, Add	5.05	
			For 304 Stainless Steel, Add	23.23	
			For High Strength Steel (HSS), Add	3.61	
05 12 23 00-0401	LF		6" x 4" x 3/8" Angle Iron	19.23	7.98
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.28	
			For >500 To 1,000, Deduct	-2.03	
			For >1,000, Deduct	-2.77	
			For 316 Stainless Steel, Add	27.49	
			For Aluminum, Add	1.55	
			For Galvanized Steel, Add	5.33	
			For 304 Stainless Steel, Add	24.48	
			For High Strength Steel (HSS), Add	3.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0402 LF 6" x 6" x 3/8" Angle Iron	23.18	9.58
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.54	
For >500 To 1,000, Deduct	-2.44	
For >1,000, Deduct	-3.33	
For 316 Stainless Steel, Add	33.31	
For Aluminum, Add	1.87	
For Galvanized Steel, Add	6.45	
For 304 Stainless Steel, Add	29.67	
05 12 23 00-0403 LF 7" x 4" x 3/8" Angle Iron	21.22	8.78
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.41	
For >500 To 1,000, Deduct	-2.23	
For >1,000, Deduct	-3.06	
For 316 Stainless Steel, Add	30.40	
For Aluminum, Add	1.71	
For Galvanized Steel, Add	5.89	
For 304 Stainless Steel, Add	27.08	
05 12 23 00-0404 1/2" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0405 LF 3" x 3" x 1/2" Angle Iron	13.42	5.14
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.85	
For >500 To 1,000, Deduct	-1.36	
For >1,000, Deduct	-1.86	
For 316 Stainless Steel, Add	21.02	
For Aluminum, Add	1.18	
For Galvanized Steel, Add	4.07	
For 304 Stainless Steel, Add	18.72	
For High Strength Steel (HSS), Add	2.68	
05 12 23 00-0406 LF 4" x 3" x 1/2" Angle Iron	15.84	6.07
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.00	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.20	
For 316 Stainless Steel, Add	24.80	
For Aluminum, Add	1.40	
For Galvanized Steel, Add	4.81	
For 304 Stainless Steel, Add	22.09	
For High Strength Steel (HSS), Add	3.17	
05 12 23 00-0407 LF 4" x 3-1/2" x 1/2" Angle Iron	16.99	6.50
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.08	
For >500 To 1,000, Deduct	-1.72	
For >1,000, Deduct	-2.36	
For 316 Stainless Steel, Add	26.59	
For Aluminum, Add	1.50	
For Galvanized Steel, Add	5.15	
For 304 Stainless Steel, Add	23.68	
For High Strength Steel (HSS), Add	3.40	
05 12 23 00-0408 LF 4" x 4" x 1/2" Angle Iron	18.27	7.00
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.85	
For >1,000, Deduct	-2.54	
For 316 Stainless Steel, Add	28.61	
For Aluminum, Add	1.61	
For Galvanized Steel, Add	5.54	
For 304 Stainless Steel, Add	25.48	
For High Strength Steel (HSS), Add	3.65	
05 12 23 00-0409 LF 5" x 3" x 1/2" Angle Iron	18.27	7.00
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.85	
For >1,000, Deduct	-2.54	
For 316 Stainless Steel, Add	28.61	
For Aluminum, Add	1.61	
For Galvanized Steel, Add	5.54	
For 304 Stainless Steel, Add	25.48	
For High Strength Steel (HSS), Add	3.65	
05 12 23 00-0410 LF 5" x 3-1/2" x 1/2" Angle Iron	19.41	7.44
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-2.69	
For 316 Stainless Steel, Add	30.40	
For Aluminum, Add	1.71	
For Galvanized Steel, Add	5.89	
For 304 Stainless Steel, Add	27.08	
For High Strength Steel (HSS), Add	3.88	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0411	LF		5" x 5" x 1/2" Angle Iron	23.14	8.86
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.34	
			For >1,000, Deduct	-3.21	
			For 316 Stainless Steel, Add	36.22	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.02	
			For 304 Stainless Steel, Add	32.26	
			For High Strength Steel (HSS), Add	4.63	
05 12 23 00-0412	LF		6" x 4" x 1/2" Angle Iron	23.14	8.86
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.47	
			For >500 To 1,000, Deduct	-2.34	
			For >1,000, Deduct	-3.21	
			For 316 Stainless Steel, Add	36.22	
			For Aluminum, Add	2.04	
			For Galvanized Steel, Add	7.02	
			For 304 Stainless Steel, Add	32.26	
			For High Strength Steel (HSS), Add	4.63	
05 12 23 00-0413	LF		6" x 6" x 1/2" Angle Iron	27.98	10.72
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000, Deduct	-3.88	
			For 316 Stainless Steel, Add	43.81	
			For Aluminum, Add	2.46	
			For Galvanized Steel, Add	8.49	
			For 304 Stainless Steel, Add	39.02	
05 12 23 00-0414	LF		7" x 4" x 1/2" Angle Iron	25.55	9.78
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.62	
			For >500 To 1,000, Deduct	-2.58	
			For >1,000, Deduct	-3.55	
			For 316 Stainless Steel, Add	40.00	
			For Aluminum, Add	2.25	
			For Galvanized Steel, Add	7.75	
			For 304 Stainless Steel, Add	35.63	
05 12 23 00-0415	LF		8" x 4" x 1/2" Angle Iron	27.98	10.72
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.77	
			For >500 To 1,000, Deduct	-2.83	
			For >1,000, Deduct	-3.88	
			For 316 Stainless Steel, Add	43.81	
			For Aluminum, Add	2.46	
			For Galvanized Steel, Add	8.49	
			For 304 Stainless Steel, Add	39.02	
05 12 23 00-0416	LF		8" x 6" x 1/2" Angle Iron	32.84	12.58
			For >100 To 250, Deduct	-1.26	
			For >250 To 500, Deduct	-2.08	
			For >500 To 1,000, Deduct	-3.32	
			For >1,000, Deduct	-4.56	
			For 316 Stainless Steel, Add	51.42	
			For Aluminum, Add	2.89	
			For Galvanized Steel, Add	9.96	
			For 304 Stainless Steel, Add	45.80	
05 12 23 00-0417	LF		8" x 8" x 1/2" Angle Iron	37.70	14.43
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-2.39	
			For >500 To 1,000, Deduct	-3.81	
			For >1,000, Deduct	-5.24	
			For 316 Stainless Steel, Add	59.01	
			For Aluminum, Add	3.32	
			For Galvanized Steel, Add	11.43	
			For 304 Stainless Steel, Add	52.55	
05 12 23 00-0418			5/8" Thick (05 12 23 00-0336)		
05 12 23 00-0419	LF		4" x 4" x 5/8" Angle Iron	21.67	8.02
			For >100 To 250, Deduct	-0.80	
			For >250 To 500, Deduct	-1.34	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.96	
			For 316 Stainless Steel, Add	35.10	
			For Aluminum, Add	1.97	
			For Galvanized Steel, Add	6.80	
05 12 23 00-0420	LF		5" x 3-1/2" x 5/8" Angle Iron	23.18	8.59
			For >100 To 250, Deduct	-0.86	
			For >250 To 500, Deduct	-1.44	
			For >500 To 1,000, Deduct	-2.30	
			For >1,000, Deduct	-3.17	
			For 316 Stainless Steel, Add	37.57	
			For Aluminum, Add	2.11	
			For Galvanized Steel, Add	7.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0421 LF 5" x 5" x 5/8" Angle Iron	27.60	10.23
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.77	
For 316 Stainless Steel, Add	44.70	
For Aluminum, Add	2.51	
For Galvanized Steel, Add	8.66	
05 12 23 00-0422 LF 6" x 4" x 5/8" Angle Iron	27.60	10.23
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.74	
For >1,000, Deduct	-3.77	
For 316 Stainless Steel, Add	44.70	
For Aluminum, Add	2.51	
For Galvanized Steel, Add	8.66	
05 12 23 00-0423 LF 6" x 6" x 5/8" Angle Iron	33.39	12.37
For >100 To 250, Deduct	-1.24	
For >250 To 500, Deduct	-2.07	
For >500 To 1,000, Deduct	-3.32	
For >1,000, Deduct	-4.57	
For 316 Stainless Steel, Add	54.08	
For Aluminum, Add	3.04	
For Galvanized Steel, Add	10.48	
05 12 23 00-0424 LF 7" x 4" x 5/8" Angle Iron	30.50	11.29
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.89	
For >500 To 1,000, Deduct	-3.03	
For >1,000, Deduct	-4.17	
For 316 Stainless Steel, Add	49.41	
For Aluminum, Add	2.78	
For Galvanized Steel, Add	9.57	
05 12 23 00-0425 LF 8" x 6" x 5/8" Angle Iron	39.33	14.57
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.44	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.38	
For 316 Stainless Steel, Add	63.71	
For Aluminum, Add	3.58	
For Galvanized Steel, Add	12.34	
05 12 23 00-0426 LF 8" x 8" x 5/8" Angle Iron	45.13	16.71
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.80	
For >500 To 1,000, Deduct	-4.49	
For >1,000, Deduct	-6.17	
For 316 Stainless Steel, Add	73.09	
For Aluminum, Add	4.11	
For Galvanized Steel, Add	14.16	
05 12 23 00-0427 3/4" Thick <small>(05 12 23 00-0336)</small>		
05 12 23 00-0428 LF 4" x 4" x 3/4" Angle Iron	24.76	8.87
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-2.42	
For >1,000, Deduct	-3.34	
For 316 Stainless Steel, Add	41.38	
For Aluminum, Add	2.33	
For Galvanized Steel, Add	8.02	
05 12 23 00-0429 LF 5" x 3-1/2" x 3/4" Angle Iron	26.48	9.49
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.61	
For >500 To 1,000, Deduct	-2.59	
For >1,000, Deduct	-3.57	
For 316 Stainless Steel, Add	44.26	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.57	
05 12 23 00-0430 LF 5" x 5" x 3/4" Angle Iron	31.57	11.31
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.92	
For >500 To 1,000, Deduct	-3.09	
For >1,000, Deduct	-4.25	
For 316 Stainless Steel, Add	52.77	
For Aluminum, Add	2.97	
For Galvanized Steel, Add	10.22	
05 12 23 00-0431 LF 6" x 4" x 3/4" Angle Iron	31.57	11.31
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.92	
For >500 To 1,000, Deduct	-3.09	
For >1,000, Deduct	-4.25	
For 316 Stainless Steel, Add	52.77	
For Aluminum, Add	2.97	
For Galvanized Steel, Add	10.22	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0432 LF 6" x 6" x 3/4" Angle Iron	38.38	13.75
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-2.34	
For >500 To 1,000, Deduct	-3.75	
For >1,000, Deduct	-5.17	
For 316 Stainless Steel, Add	64.13	
For Aluminum, Add	3.61	
For Galvanized Steel, Add	12.42	
05 12 23 00-0433 LF 7" x 4" x 3/4" Angle Iron	35.04	12.55
For >100 To 250, Deduct	-1.26	
For >250 To 500, Deduct	-2.13	
For >500 To 1,000, Deduct	-3.43	
For >1,000, Deduct	-4.72	
For 316 Stainless Steel, Add	58.56	
For Aluminum, Add	3.29	
For Galvanized Steel, Add	11.35	
05 12 23 00-0434 LF 8" x 4" x 3/4" Angle Iron	38.38	13.75
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-2.34	
For >500 To 1,000, Deduct	-3.75	
For >1,000, Deduct	-5.17	
For 316 Stainless Steel, Add	64.13	
For Aluminum, Add	3.61	
For Galvanized Steel, Add	12.42	
05 12 23 00-0435 LF 8" x 6" x 3/4" Angle Iron	45.20	16.20
For >100 To 250, Deduct	-1.62	
For >250 To 500, Deduct	-2.75	
For >500 To 1,000, Deduct	-4.42	
For >1,000, Deduct	-6.09	
For 316 Stainless Steel, Add	75.55	
For Aluminum, Add	4.25	
For Galvanized Steel, Add	14.64	
05 12 23 00-0436 LF 8" x 8" x 3/4" Angle Iron	52.02	18.64
For >100 To 250, Deduct	-1.86	
For >250 To 500, Deduct	-3.16	
For >500 To 1,000, Deduct	-5.09	
For >1,000, Deduct	-7.01	
For 316 Stainless Steel, Add	86.94	
For Aluminum, Add	4.89	
For Galvanized Steel, Add	16.85	
05 12 23 00-0437 7/8" Thick (05 12 23 00-0336)		
05 12 23 00-0438 LF 5" x 5" x 7/8" Angle Iron	35.21	12.16
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.38	
For >1,000, Deduct	-4.67	
For 316 Stainless Steel, Add	60.77	
For Aluminum, Add	3.42	
For Galvanized Steel, Add	11.77	
05 12 23 00-0439 LF 6" x 4" x 7/8" Angle Iron	35.21	12.16
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.38	
For >1,000, Deduct	-4.67	
For 316 Stainless Steel, Add	60.77	
For Aluminum, Add	3.42	
For Galvanized Steel, Add	11.77	
05 12 23 00-0440 LF 6" x 6" x 7/8" Angle Iron	42.86	14.81
For >100 To 250, Deduct	-1.48	
For >250 To 500, Deduct	-2.55	
For >500 To 1,000, Deduct	-4.12	
For >1,000, Deduct	-5.68	
For 316 Stainless Steel, Add	73.98	
For Aluminum, Add	4.16	
For Galvanized Steel, Add	14.33	
05 12 23 00-0441 LF 8" x 6" x 7/8" Angle Iron	50.62	17.48
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-3.01	
For >500 To 1,000, Deduct	-4.86	
For >1,000, Deduct	-6.71	
For 316 Stainless Steel, Add	87.39	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.93	
05 12 23 00-0442 LF 8" x 8" x 7/8" Angle Iron	58.27	20.13
For >100 To 250, Deduct	-2.01	
For >250 To 500, Deduct	-3.47	
For >500 To 1,000, Deduct	-5.60	
For >1,000, Deduct	-7.73	
For 316 Stainless Steel, Add	100.58	
For Aluminum, Add	5.66	
For Galvanized Steel, Add	19.49	

05 12 23 00-0443 Bar Channel (05 12 23 00-0146)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0444 LF 1" x 1/2" x 1/8" Thick Bar Channel.....	3.45	
For 316 Stainless Steel, Add	2.43	
For Aluminum, Add	0.14	
For Galvanized Steel, Add	0.47	
For 304 Stainless Steel, Add	2.17	
05 12 23 00-0445 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	3.83	
For 316 Stainless Steel, Add	2.91	
For Aluminum, Add	0.16	
For Galvanized Steel, Add	0.56	
For 304 Stainless Steel, Add	2.59	
05 12 23 00-0446 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	4.17	
For 316 Stainless Steel, Add	3.23	
For Aluminum, Add	0.18	
For Galvanized Steel, Add	0.63	
For 304 Stainless Steel, Add	2.88	
05 12 23 00-0447 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	4.83	
For 316 Stainless Steel, Add	3.36	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.65	
For 304 Stainless Steel, Add	2.99	
05 12 23 00-0448 LF 2" x 1/2" x 1/8" Thick Bar Channel.....	5.07	
For 316 Stainless Steel, Add	4.13	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.80	
For 304 Stainless Steel, Add	3.68	
05 12 23 00-0449 LF 2" x 1" x 1/8" Thick Bar Channel.....	6.85	
For 316 Stainless Steel, Add	4.61	
For Aluminum, Add	0.26	
For Galvanized Steel, Add	0.89	
For 304 Stainless Steel, Add	4.10	
05 12 23 00-0450 Channels (05 12 23 00-0146)		
05 12 23 00-0451 LF C2 x 1.78 - 2" Wide Channel.....	5.67	3.33
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.73	
For >1,000, Deduct	-0.98	
For 316 Stainless Steel, Add	3.90	
For Aluminum, Add	0.22	
For Galvanized Steel, Add	0.76	
For 304 Stainless Steel, Add	3.48	
05 12 23 00-0452 LF C3 x 4.1 - 3" Wide Channel.....	8.12	4.79
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.68	
For >500 To 1,000, Deduct	-1.05	
For >1,000, Deduct	-1.41	
For 316 Stainless Steel, Add	5.54	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.07	
For 304 Stainless Steel, Add	4.93	
05 12 23 00-0453 LF C4 x 5.4 - 4" Wide Channel.....	9.97	5.75
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.71	
For 316 Stainless Steel, Add	7.36	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.43	
For 304 Stainless Steel, Add	6.56	
05 12 23 00-0454 LF C5 x 6.7 - 5" Wide Channel.....	11.86	6.70
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.01	
For 316 Stainless Steel, Add	9.31	
For Aluminum, Add	0.52	
For Galvanized Steel, Add	1.80	
For 304 Stainless Steel, Add	8.29	
05 12 23 00-0455 LF C6 x 8.2 - 6" Wide Channel.....	13.18	7.22
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.19	
For 316 Stainless Steel, Add	11.39	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.21	
For 304 Stainless Steel, Add	10.15	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0456	LF		C7 x 9.8 - 7" Wide Channel.....	17.58	9.58
			<i>For >100 To 250, Deduct</i>	-0.96	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500 To 1,000, Deduct</i>	-2.16	
			<i>For >1,000, Deduct</i>	-2.91	
			<i>For 316 Stainless Steel, Add</i>	15.39	
			<i>For Aluminum, Add</i>	0.87	
			<i>For Galvanized Steel, Add</i>	2.98	
			<i>For 304 Stainless Steel, Add</i>	13.71	
05 12 23 00-0457	LF		C8 x 11.5 - 8" Wide Channel.....	19.70	10.54
			<i>For >100 To 250, Deduct</i>	-1.05	
			<i>For >250 To 500, Deduct</i>	-1.55	
			<i>For >500 To 1,000, Deduct</i>	-2.39	
			<i>For >1,000, Deduct</i>	-3.24	
			<i>For 316 Stainless Steel, Add</i>	18.05	
			<i>For Aluminum, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.50	
			<i>For 304 Stainless Steel, Add</i>	16.07	
05 12 23 00-0458			Structural Bar Tees (05 12 23 00-0146)		
05 12 23 00-0459	LF		3/4" x 3/4" x 1/8" Structural Bar Tee.....	4.22	2.44
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-0.54	
			<i>For >1,000, Deduct</i>	-0.72	
			<i>For 316 Stainless Steel, Add</i>	3.10	
			<i>For Aluminum, Add</i>	0.17	
			<i>For Galvanized Steel, Add</i>	0.60	
			<i>For 304 Stainless Steel, Add</i>	2.76	
05 12 23 00-0460	LF		1" x 1" x 1/8" Structural Bar Tee	4.98	2.87
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.85	
			<i>For 316 Stainless Steel, Add</i>	3.68	
			<i>For Aluminum, Add</i>	0.21	
			<i>For Galvanized Steel, Add</i>	0.71	
			<i>For 304 Stainless Steel, Add</i>	3.28	
05 12 23 00-0461	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	8.85	3.32
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.89	
			<i>For >1,000, Deduct</i>	-1.22	
			<i>For 316 Stainless Steel, Add</i>	14.14	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For 304 Stainless Steel, Add</i>	12.60	
05 12 23 00-0462	LF		2" x 2" x 1/4" Structural Bar Tee	11.53	4.35
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500 To 1,000, Deduct</i>	-1.16	
			<i>For >1,000, Deduct</i>	-1.59	
			<i>For 316 Stainless Steel, Add</i>	18.37	
			<i>For Aluminum, Add</i>	1.03	
			<i>For Galvanized Steel, Add</i>	3.56	
			<i>For 304 Stainless Steel, Add</i>	16.36	
05 12 23 00-0463	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	17.22	5.23
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.95	
			<i>For >500 To 1,000, Deduct</i>	-1.56	
			<i>For >1,000, Deduct</i>	-2.17	
			<i>For 316 Stainless Steel, Add</i>	32.74	
			<i>For Aluminum, Add</i>	1.84	
			<i>For Galvanized Steel, Add</i>	6.34	
			<i>For 304 Stainless Steel, Add</i>	29.16	
05 12 23 00-0464	LF		3" x 3" x 3/8" Structural Bar Tee	21.41	6.70
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.21	
			<i>For >500 To 1,000, Deduct</i>	-1.97	
			<i>For >1,000, Deduct</i>	-2.72	
			<i>For 316 Stainless Steel, Add</i>	39.87	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.73	
			<i>For 304 Stainless Steel, Add</i>	35.51	

05 12 23 00-0465 Structural Zees (05 12 23 00-0146)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0466 LF 1-1/4" x 1-3/4" x 1-3/4" Structural Zee	8.88	3.32
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.22	
For 316 Stainless Steel, Add	14.24	
For Aluminum, Add	0.80	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	12.68	
05 12 23 00-0467 LF 2-11/16" x 3" x 2-11/16" Structural Zee.....	13.06	3.96
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-1.64	
For 316 Stainless Steel, Add	24.93	
For Aluminum, Add	1.40	
For Galvanized Steel, Add	4.83	
For 304 Stainless Steel, Add	22.20	
05 12 23 00-0468 LF 3-1/16" x 4" x 3-1/16" Structural Zee.....	19.03	4.47
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.92	
For >500 To 1,000, Deduct	-1.55	
For >1,000, Deduct	-2.17	
For 316 Stainless Steel, Add	41.82	
For Aluminum, Add	2.35	
For Galvanized Steel, Add	8.10	
For 304 Stainless Steel, Add	37.25	
05 12 23 00-0469 LF 3-1/4" x 5" x 3-1/4" Structural Zee.....	25.30	5.11
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-1.14	
For >500 To 1,000, Deduct	-1.95	
For >1,000, Deduct	-2.75	
For 316 Stainless Steel, Add	59.17	
For Aluminum, Add	3.33	
For Galvanized Steel, Add	11.46	
For 304 Stainless Steel, Add	52.70	
05 12 23 00-0470 LF 3-1/2" x 6" x 3-1/2" Structural Zee.....	32.37	5.56
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.37	
For >500 To 1,000, Deduct	-2.36	
For >1,000, Deduct	-3.35	
For 316 Stainless Steel, Add	79.87	
For Aluminum, Add	4.49	
For Galvanized Steel, Add	15.48	
For 304 Stainless Steel, Add	71.14	
05 12 23 00-0471 Junior I-Beams (05 12 23 00-0146)		
05 12 23 00-0472 LF 3" Junior I-Beam, 5.7 LB/LF.....	9.73	4.79
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.72	
For >500 To 1,000, Deduct	-1.13	
For >1,000, Deduct	-1.53	
For 316 Stainless Steel, Add	10.69	
For Aluminum, Add	0.60	
For Galvanized Steel, Add	2.07	
For 304 Stainless Steel, Add	9.52	
05 12 23 00-0473 LF 4" Junior I-Beam, 7.7 LB/LF.....	11.66	5.23
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.28	
For >1,000, Deduct	-1.75	
For 316 Stainless Steel, Add	14.94	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.90	
For 304 Stainless Steel, Add	13.31	
05 12 23 00-0474 LF 5" Junior I-Beam, 10 LB/LF.....	14.31	5.75
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.48	
For >1,000, Deduct	-2.03	
For 316 Stainless Steel, Add	21.25	
For Aluminum, Add	1.20	
For Galvanized Steel, Add	4.12	
For 304 Stainless Steel, Add	18.92	
05 12 23 00-0475 LF 6" Junior I-Beam, 12.5 LB/LF.....	15.81	6.26
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.02	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.23	
For 316 Stainless Steel, Add	23.90	
For Aluminum, Add	1.34	
For Galvanized Steel, Add	4.63	
For 304 Stainless Steel, Add	21.29	

05 Metals

05 10 Structural Metal Framing

05 12 Structural Steel Framing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF		7" Junior I-Beam, 15.3 LB/LF	20.32	6.70
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.18	
			<i>For >500 To 1,000, Deduct</i>	-1.91	
			<i>For >1,000, Deduct</i>	-2.64	
			<i>For 316 Stainless Steel, Add</i>	36.42	
			<i>For Aluminum, Add</i>	2.05	
			<i>For Galvanized Steel, Add</i>	7.06	
			<i>For 304 Stainless Steel, Add</i>	32.43	
05 12 23 00-0477	LF		8" Junior I-Beam, 18.4 LB/LF	22.14	7.16
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.27	
			<i>For >500 To 1,000, Deduct</i>	-2.06	
			<i>For >1,000, Deduct</i>	-2.85	
			<i>For 316 Stainless Steel, Add</i>	40.32	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.81	
			<i>For 304 Stainless Steel, Add</i>	35.91	
05 12 23 00-0478			Round Stock (05 12 23 00-0146)		
05 12 23 00-0479	LF		1/4" Carbon Steel Rounds, ASTM A108	1.53	
			<i>For 316 Stainless Steel, Add</i>	2.14	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.42	
			<i>For 304 Stainless Steel, Add</i>	1.91	
05 12 23 00-0480	LF		3/8" Carbon Steel Rounds, ASTM A108	2.29	
			<i>For 316 Stainless Steel, Add</i>	4.22	
			<i>For Aluminum, Add</i>	0.24	
			<i>For Galvanized Steel, Add</i>	0.82	
			<i>For 304 Stainless Steel, Add</i>	3.76	
05 12 23 00-0481	LF		1/2" Carbon Steel Rounds, ASTM A108	3.08	
			<i>For 316 Stainless Steel, Add</i>	6.43	
			<i>For Aluminum, Add</i>	0.36	
			<i>For Galvanized Steel, Add</i>	1.25	
			<i>For 304 Stainless Steel, Add</i>	5.73	
05 12 23 00-0482	LF		5/8" Carbon Steel Rounds, ASTM A108	4.55	
			<i>For 316 Stainless Steel, Add</i>	10.75	
			<i>For Aluminum, Add</i>	0.60	
			<i>For Galvanized Steel, Add</i>	2.08	
			<i>For 304 Stainless Steel, Add</i>	9.58	
05 12 23 00-0483	LF		3/4" Carbon Steel Rounds, ASTM A108	5.41	
			<i>For 316 Stainless Steel, Add</i>	12.77	
			<i>For Aluminum, Add</i>	0.72	
			<i>For Galvanized Steel, Add</i>	2.47	
			<i>For 304 Stainless Steel, Add</i>	11.37	
05 12 23 00-0484	LF		7/8" Carbon Steel Rounds, ASTM A108	6.30	
			<i>For 316 Stainless Steel, Add</i>	14.91	
			<i>For Aluminum, Add</i>	0.84	
			<i>For Galvanized Steel, Add</i>	2.89	
			<i>For 304 Stainless Steel, Add</i>	13.28	
05 12 23 00-0485	LF		1" Carbon Steel Rounds, ASTM A108	9.03	
			<i>For 316 Stainless Steel, Add</i>	22.72	
			<i>For Aluminum, Add</i>	1.28	
			<i>For Galvanized Steel, Add</i>	4.40	
			<i>For 304 Stainless Steel, Add</i>	20.24	
05 12 23 00-0486	LF		1-1/8" Carbon Steel Rounds, ASTM A108	11.00	
			<i>For 316 Stainless Steel, Add</i>	27.62	
			<i>For Aluminum, Add</i>	1.55	
			<i>For Galvanized Steel, Add</i>	5.35	
			<i>For 304 Stainless Steel, Add</i>	24.60	
05 12 23 00-0487	LF		1-1/4" Carbon Steel Rounds, ASTM A108	13.19	
			<i>For 316 Stainless Steel, Add</i>	32.48	
			<i>For Aluminum, Add</i>	1.83	
			<i>For Galvanized Steel, Add</i>	6.29	
			<i>For 304 Stainless Steel, Add</i>	28.93	
05 12 23 00-0488	LF		1-3/8" Carbon Steel Rounds, ASTM A108	15.94	
			<i>For 316 Stainless Steel, Add</i>	39.65	
			<i>For Aluminum, Add</i>	2.23	
			<i>For Galvanized Steel, Add</i>	7.68	
			<i>For 304 Stainless Steel, Add</i>	35.31	
05 12 23 00-0489	LF		1-1/2" Carbon Steel Rounds, ASTM A108	17.85	
			<i>For 316 Stainless Steel, Add</i>	43.49	
			<i>For Aluminum, Add</i>	2.45	
			<i>For Galvanized Steel, Add</i>	8.43	
			<i>For 304 Stainless Steel, Add</i>	38.73	
05 12 23 00-0490	LF		1-5/8" Carbon Steel Rounds, ASTM A108	20.72	
			<i>For 316 Stainless Steel, Add</i>	49.28	
			<i>For Aluminum, Add</i>	2.77	
			<i>For Galvanized Steel, Add</i>	9.55	
			<i>For 304 Stainless Steel, Add</i>	43.89	
05 12 23 00-0491	LF		1-3/4" Carbon Steel Rounds, ASTM A108	25.02	
			<i>For 316 Stainless Steel, Add</i>	57.34	
			<i>For Aluminum, Add</i>	3.23	
			<i>For Galvanized Steel, Add</i>	11.11	
			<i>For 304 Stainless Steel, Add</i>	51.07	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0492	LF		1-7/8" Carbon Steel Rounds, ASTM A108.....	30.36	
			<i>For 316 Stainless Steel, Add</i>	67.17	
			<i>For Aluminum, Add</i>	3.78	
			<i>For Galvanized Steel, Add</i>	13.01	
			<i>For 304 Stainless Steel, Add</i>	59.82	
05 12 23 00-0493	LF		2" Carbon Steel Rounds, ASTM A108.....	34.91	
			<i>For 316 Stainless Steel, Add</i>	74.72	
			<i>For Aluminum, Add</i>	4.20	
			<i>For Galvanized Steel, Add</i>	14.48	
			<i>For 304 Stainless Steel, Add</i>	66.55	
05 12 23 00-0494	LF		2-1/8" Carbon Steel Rounds, ASTM A108.....	41.03	
			<i>For 316 Stainless Steel, Add</i>	85.34	
			<i>For Aluminum, Add</i>	4.80	
			<i>For Galvanized Steel, Add</i>	16.54	
			<i>For 304 Stainless Steel, Add</i>	76.01	
05 12 23 00-0495	LF		2-1/4" Carbon Steel Rounds, ASTM A108.....	46.50	
			<i>For 316 Stainless Steel, Add</i>	95.97	
			<i>For Aluminum, Add</i>	5.40	
			<i>For Galvanized Steel, Add</i>	18.59	
			<i>For 304 Stainless Steel, Add</i>	85.47	
05 12 23 00-0496	LF		2-3/8" Carbon Steel Rounds, ASTM A108.....	53.28	
			<i>For 316 Stainless Steel, Add</i>	109.76	
			<i>For Aluminum, Add</i>	6.17	
			<i>For Galvanized Steel, Add</i>	21.27	
			<i>For 304 Stainless Steel, Add</i>	97.76	
05 12 23 00-0497	LF		2-1/2" Carbon Steel Rounds, ASTM A108.....	59.25	
			<i>For 316 Stainless Steel, Add</i>	118.27	
			<i>For Aluminum, Add</i>	6.65	
			<i>For Galvanized Steel, Add</i>	22.92	
			<i>For 304 Stainless Steel, Add</i>	105.34	
05 12 23 00-0498	LF		2-5/8" Carbon Steel Rounds, ASTM A108.....	71.71	
			<i>For 316 Stainless Steel, Add</i>	150.24	
			<i>For Aluminum, Add</i>	8.45	
			<i>For Galvanized Steel, Add</i>	29.11	
			<i>For 304 Stainless Steel, Add</i>	133.81	
05 12 23 00-0499	LF		2-3/4" Carbon Steel Rounds, ASTM A108.....	81.61	
			<i>For 316 Stainless Steel, Add</i>	171.33	
			<i>For Aluminum, Add</i>	9.64	
			<i>For Galvanized Steel, Add</i>	33.19	
			<i>For 304 Stainless Steel, Add</i>	152.59	
05 12 23 00-0500	LF		2-7/8" Carbon Steel Rounds, ASTM A108.....	91.04	
			<i>For 316 Stainless Steel, Add</i>	190.94	
			<i>For Aluminum, Add</i>	10.74	
			<i>For Galvanized Steel, Add</i>	37.00	
			<i>For 304 Stainless Steel, Add</i>	170.06	
05 12 23 00-0501	LF		3" Carbon Steel Rounds, ASTM A108.....	96.14	
			<i>For 316 Stainless Steel, Add</i>	196.67	
			<i>For Aluminum, Add</i>	11.06	
			<i>For Galvanized Steel, Add</i>	38.11	
			<i>For 304 Stainless Steel, Add</i>	175.16	
05 12 23 00-0502	LF		3-1/8" Carbon Steel Rounds, ASTM A108.....	100.81	
			<i>For 316 Stainless Steel, Add</i>	201.02	
			<i>For Aluminum, Add</i>	11.31	
			<i>For Galvanized Steel, Add</i>	38.95	
			<i>For 304 Stainless Steel, Add</i>	179.04	
05 12 23 00-0503	LF		3-1/4" Carbon Steel Rounds, ASTM A108.....	106.66	
			<i>For 316 Stainless Steel, Add</i>	209.22	
			<i>For Aluminum, Add</i>	11.77	
			<i>For Galvanized Steel, Add</i>	40.54	
			<i>For 304 Stainless Steel, Add</i>	186.33	
05 12 23 00-0504	LF		3-1/2" Carbon Steel Rounds, ASTM A108.....	128.37	
			<i>For 316 Stainless Steel, Add</i>	265.47	
			<i>For Aluminum, Add</i>	14.93	
			<i>For Galvanized Steel, Add</i>	51.44	
			<i>For 304 Stainless Steel, Add</i>	236.44	
05 12 23 00-0505	LF		3-5/8" Carbon Steel Rounds, ASTM A108.....	142.35	
			<i>For 316 Stainless Steel, Add</i>	296.96	
			<i>For Aluminum, Add</i>	16.70	
			<i>For Galvanized Steel, Add</i>	57.54	
			<i>For 304 Stainless Steel, Add</i>	264.48	
05 12 23 00-0506	LF		3-3/4" Carbon Steel Rounds, ASTM A108.....	152.94	
			<i>For 316 Stainless Steel, Add</i>	317.66	
			<i>For Aluminum, Add</i>	17.87	
			<i>For Galvanized Steel, Add</i>	61.55	
			<i>For 304 Stainless Steel, Add</i>	282.92	
05 12 23 00-0507	LF		4" Carbon Steel Rounds, ASTM A108.....	170.83	
			<i>For 316 Stainless Steel, Add</i>	361.70	
			<i>For Aluminum, Add</i>	20.35	
			<i>For Galvanized Steel, Add</i>	70.08	
			<i>For 304 Stainless Steel, Add</i>	322.14	

05 12 23 00-0508 Square Stock (05 12 23 00-0146)

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0509	LF		3/8" Square Bar Stock.....	1.30	
			For 316 Stainless Steel, Add	1.06	
			For Aluminum, Add	0.06	
			For Galvanized Steel, Add	0.20	
			For 304 Stainless Steel, Add	0.94	
05 12 23 00-0510	LF		1/2" Square Bar Stock.....	1.66	
			For 316 Stainless Steel, Add	1.89	
			For Aluminum, Add	0.11	
			For Galvanized Steel, Add	0.37	
			For 304 Stainless Steel, Add	1.68	
05 12 23 00-0511	LF		5/8" Square Bar Stock.....	2.11	
			For 316 Stainless Steel, Add	2.94	
			For Aluminum, Add	0.17	
			For Galvanized Steel, Add	0.57	
			For 304 Stainless Steel, Add	2.62	
05 12 23 00-0512	LF		3/4" Square Bar Stock.....	2.75	
			For 316 Stainless Steel, Add	4.26	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.82	
			For 304 Stainless Steel, Add	3.79	
05 12 23 00-0513	LF		7/8" Square Bar Stock.....	3.49	
			For 316 Stainless Steel, Add	5.92	
			For Aluminum, Add	0.33	
			For Galvanized Steel, Add	1.15	
			For 304 Stainless Steel, Add	5.27	
05 12 23 00-0514	LF		1" Square Bar Stock.....	4.30	
			For 316 Stainless Steel, Add	7.58	
			For Aluminum, Add	0.43	
			For Galvanized Steel, Add	1.47	
			For 304 Stainless Steel, Add	6.75	
05 12 23 00-0515	LF		1-1/4" Square Bar Stock.....	6.74	
			For 316 Stainless Steel, Add	11.84	
			For Aluminum, Add	0.67	
			For Galvanized Steel, Add	2.29	
			For 304 Stainless Steel, Add	10.55	
05 12 23 00-0516	LF		1-1/2" Square Bar Stock.....	9.59	
			For 316 Stainless Steel, Add	17.06	
			For Aluminum, Add	0.96	
			For Galvanized Steel, Add	3.30	
			For 304 Stainless Steel, Add	15.19	
05 12 23 00-0517	LF		1-3/4" Square Bar Stock.....	14.51	
			For 316 Stainless Steel, Add	23.71	
			For Aluminum, Add	1.33	
			For Galvanized Steel, Add	4.59	
			For 304 Stainless Steel, Add	21.12	
05 12 23 00-0518	LF		2" Square Bar Stock.....	21.41	
			For 316 Stainless Steel, Add	30.34	
			For Aluminum, Add	1.71	
			For Galvanized Steel, Add	5.88	
			For 304 Stainless Steel, Add	27.02	
05 12 23 00-0519			Steel Tubing (05 12 23 00-0148) Note: General purpose low-carbon steel.		
05 12 23 00-0520			Square Steel Tubing (05 12 23 00-0519)		
05 12 23 00-0521			0.06" Wall Thickness (05 12 23 00-0520)		
05 12 23 00-0522	LF		1/2" x 1/2" x 0.06" Square Steel Tubing.....	1.48	0.46
			For >100 To 250, Deduct	-0.05	
			For >250 To 500, Deduct	-0.08	
			For >500 To 1,000, Deduct	-0.14	
			For >1,000, Deduct	-0.19	
			For 316 Stainless Steel, Add	2.78	
			For Aluminum, Add	0.16	
			For Galvanized Steel, Add	0.54	
			For 304 Stainless Steel, Add	2.48	
05 12 23 00-0523	LF		3/4" x 3/4" x 0.06" Square Steel Tubing.....	2.29	0.72
			For >100 To 250, Deduct	-0.07	
			For >250 To 500, Deduct	-0.13	
			For >500 To 1,000, Deduct	-0.21	
			For >1,000, Deduct	-0.29	
			For 316 Stainless Steel, Add	4.26	
			For Aluminum, Add	0.24	
			For Galvanized Steel, Add	0.82	
			For 304 Stainless Steel, Add	3.79	
05 12 23 00-0524	LF		1" x 1" x 0.06" Square Steel Tubing.....	3.08	1.31
			For >100 To 250, Deduct	-0.10	
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.29	
			For >1,000, Deduct	-0.39	
			For 316 Stainless Steel, Add	5.66	
			For Aluminum, Add	0.32	
			For Galvanized Steel, Add	1.10	
			For 304 Stainless Steel, Add	5.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0525 LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	4.05	1.24
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.51	
For 316 Stainless Steel, Add	7.65	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.48	
For 304 Stainless Steel, Add	6.81	
05 12 23 00-0526 LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	4.81	1.50
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.44	
For >1,000, Deduct	-0.61	
For 316 Stainless Steel, Add	8.99	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.74	
For 304 Stainless Steel, Add	8.01	
05 12 23 00-0527 0.083" Wall Thickness <small>(05 12 23 00-0520)</small>		
05 12 23 00-0528 LF 3/4" x 3/4" x 0.083" Square Steel Tubing	2.67	0.85
For >100 To 250, Deduct	-0.08	
For >250 To 500, Deduct	-0.15	
For >500 To 1,000, Deduct	-0.25	
For >1,000, Deduct	-0.34	
For 316 Stainless Steel, Add	4.93	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.95	
For 304 Stainless Steel, Add	4.39	
05 12 23 00-0529 LF 1" x 1" x 0.083" Square Steel Tubing	3.84	1.16
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.35	
For >1,000, Deduct	-0.48	
For 316 Stainless Steel, Add	7.36	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.43	
For 304 Stainless Steel, Add	6.56	
05 12 23 00-0530 LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	4.68	1.47
For >100 To 250, Deduct	-0.15	
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.60	
For 316 Stainless Steel, Add	8.70	
For Aluminum, Add	0.49	
For Galvanized Steel, Add	1.69	
For 304 Stainless Steel, Add	7.75	
05 12 23 00-0531 LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	5.67	1.79
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-0.52	
For >1,000, Deduct	-0.72	
For 316 Stainless Steel, Add	10.50	
For Aluminum, Add	0.59	
For Galvanized Steel, Add	2.03	
For 304 Stainless Steel, Add	9.35	
05 12 23 00-0532 LF 2" x 2" x 0.083" Square Steel Tubing	7.31	2.39
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.42	
For >500 To 1,000, Deduct	-0.68	
For >1,000, Deduct	-0.95	
For 316 Stainless Steel, Add	13.22	
For Aluminum, Add	0.74	
For Galvanized Steel, Add	2.56	
For 304 Stainless Steel, Add	11.77	
05 12 23 00-0533 0.12" Wall Thickness <small>(05 12 23 00-0520)</small>		
05 12 23 00-0534 LF 1" x 1" x 0.12" Square Steel Tubing	4.29	1.38
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.40	
For >1,000, Deduct	-0.55	
For 316 Stainless Steel, Add	7.84	
For Aluminum, Add	0.44	
For Galvanized Steel, Add	1.52	
For 304 Stainless Steel, Add	6.98	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0535	LF		1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	5.53	1.77
			<i>For >100 To 250, Deduct</i>	-0.18	
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.51	
			<i>For >1,000, Deduct</i>	-0.71	
			<i>For 316 Stainless Steel, Add</i>	10.14	
			<i>For Aluminum, Add</i>	0.57	
			<i>For Galvanized Steel, Add</i>	1.97	
			<i>For 304 Stainless Steel, Add</i>	9.03	
05 12 23 00-0536	LF		1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	6.77	2.16
			<i>For >100 To 250, Deduct</i>	-0.22	
			<i>For >250 To 500, Deduct</i>	-0.39	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000, Deduct</i>	-0.87	
			<i>For 316 Stainless Steel, Add</i>	12.45	
			<i>For Aluminum, Add</i>	0.70	
			<i>For Galvanized Steel, Add</i>	2.41	
			<i>For 304 Stainless Steel, Add</i>	11.09	
05 12 23 00-0537	LF		2" x 2" x 0.12" Square Steel Tubing.....	9.19	2.94
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.18	
			<i>For 316 Stainless Steel, Add</i>	16.83	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.99	
05 12 23 00-0538			1/8" Wall Thickness <small>(05 12 23 00-0520)</small>		
05 12 23 00-0539	LF		2" x 2" x 1/8" Square Steel Tubing.....	8.46	3.06
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.14	
			<i>For 316 Stainless Steel, Add</i>	14.02	
			<i>For Aluminum, Add</i>	0.79	
			<i>For Galvanized Steel, Add</i>	2.72	
			<i>For 304 Stainless Steel, Add</i>	12.48	
05 12 23 00-0540	LF		2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	11.08	3.88
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.66	
			<i>For >500 To 1,000, Deduct</i>	-1.07	
			<i>For >1,000, Deduct</i>	-1.48	
			<i>For 316 Stainless Steel, Add</i>	18.94	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.67	
			<i>For 304 Stainless Steel, Add</i>	16.87	
05 12 23 00-0541	LF		3" x 3" x 1/8" Square Steel Tubing.....	13.05	4.69
			<i>For >100 To 250, Deduct</i>	-0.47	
			<i>For >250 To 500, Deduct</i>	-0.80	
			<i>For >500 To 1,000, Deduct</i>	-1.28	
			<i>For >1,000, Deduct</i>	-1.76	
			<i>For 316 Stainless Steel, Add</i>	21.76	
			<i>For Aluminum, Add</i>	1.22	
			<i>For Galvanized Steel, Add</i>	4.22	
			<i>For 304 Stainless Steel, Add</i>	19.38	
05 12 23 00-0542	LF		3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	15.16	5.51
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.05	
			<i>For 316 Stainless Steel, Add</i>	25.02	
			<i>For Aluminum, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.85	
			<i>For 304 Stainless Steel, Add</i>	22.29	
05 12 23 00-0543	LF		4" x 4" x 1/8" Square Steel Tubing.....	16.83	6.32
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.05	
			<i>For >500 To 1,000, Deduct</i>	-1.68	
			<i>For >1,000, Deduct</i>	-2.32	
			<i>For 316 Stainless Steel, Add</i>	26.88	
			<i>For Aluminum, Add</i>	1.51	
			<i>For Galvanized Steel, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	23.94	
05 12 23 00-0544			3/16" Wall Thickness <small>(05 12 23 00-0520)</small>		



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0545 LF 2" x 2" x 3/16" Square Steel Tubing.....	9.58	3.45
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.29	
For 316 Stainless Steel, Add	15.94	
For Aluminum, Add	0.90	
For Galvanized Steel, Add	3.09	
For 304 Stainless Steel, Add	14.19	
05 12 23 00-0546 LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	12.40	4.46
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.22	
For >1,000, Deduct	-1.67	
For 316 Stainless Steel, Add	20.64	
For Aluminum, Add	1.16	
For Galvanized Steel, Add	4.00	
For 304 Stainless Steel, Add	18.38	
05 12 23 00-0547 LF 3" x 3" x 3/16" Square Steel Tubing.....	15.25	5.49
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-0.93	
For >500 To 1,000, Deduct	-1.49	
For >1,000, Deduct	-2.06	
For 316 Stainless Steel, Add	25.38	
For Aluminum, Add	1.43	
For Galvanized Steel, Add	4.92	
For 304 Stainless Steel, Add	22.60	
05 12 23 00-0548 LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	18.08	6.51
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.44	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0549 LF 4" x 4" x 3/16" Square Steel Tubing.....	20.90	7.52
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-2.05	
For >1,000, Deduct	-2.82	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0550 LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	23.74	8.55
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.45	
For >500 To 1,000, Deduct	-2.33	
For >1,000, Deduct	-3.20	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0551 LF 5" x 5" x 3/16" Square Steel Tubing.....	26.55	9.56
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.62	
For >500 To 1,000, Deduct	-2.60	
For >1,000, Deduct	-3.58	
For 316 Stainless Steel, Add	44.19	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.36	
05 12 23 00-0552 LF 6" x 6" x 3/16" Square Steel Tubing.....	32.24	11.61
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.97	
For >500 To 1,000, Deduct	-3.16	
For >1,000, Deduct	-4.35	
For 316 Stainless Steel, Add	53.66	
For Aluminum, Add	3.02	
For Galvanized Steel, Add	10.40	
For 304 Stainless Steel, Add	47.79	
05 12 23 00-0553 1/4" Wall Thickness (05 12 23 00-0520)		
05 12 23 00-0554 LF 2" x 2" x 1/4" Square Steel Tubing.....	10.12	3.45
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.60	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.34	
For 316 Stainless Steel, Add	17.63	
For Aluminum, Add	0.99	
For Galvanized Steel, Add	3.42	
For 304 Stainless Steel, Add	15.70	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0555	LF		2-1/2" x 2-1/2" x 1/4" Square Steel Tubing.....	13.30	4.54
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.79	
			<i>For >500 To 1,000, Deduct</i>	-1.27	
			<i>For >1,000, Deduct</i>	-1.76	
			<i>For 316 Stainless Steel, Add</i>	23.17	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.49	
			<i>For 304 Stainless Steel, Add</i>	20.63	
05 12 23 00-0556	LF		3" x 3" x 1/4" Square Steel Tubing.....	16.48	5.63
			<i>For >100 To 250, Deduct</i>	-0.56	
			<i>For >250 To 500, Deduct</i>	-0.98	
			<i>For >500 To 1,000, Deduct</i>	-1.58	
			<i>For >1,000, Deduct</i>	-2.17	
			<i>For 316 Stainless Steel, Add</i>	28.70	
			<i>For Aluminum, Add</i>	1.61	
			<i>For Galvanized Steel, Add</i>	5.56	
			<i>For 304 Stainless Steel, Add</i>	25.56	
05 12 23 00-0557	LF		3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	19.65	6.71
			<i>For >100 To 250, Deduct</i>	-0.67	
			<i>For >250 To 500, Deduct</i>	-1.16	
			<i>For >500 To 1,000, Deduct</i>	-1.88	
			<i>For >1,000, Deduct</i>	-2.59	
			<i>For 316 Stainless Steel, Add</i>	34.24	
			<i>For Aluminum, Add</i>	1.93	
			<i>For Galvanized Steel, Add</i>	6.63	
			<i>For 304 Stainless Steel, Add</i>	30.50	
05 12 23 00-0558	LF		4" x 4" x 1/4" Square Steel Tubing.....	22.83	7.80
			<i>For >100 To 250, Deduct</i>	-0.78	
			<i>For >250 To 500, Deduct</i>	-1.35	
			<i>For >500 To 1,000, Deduct</i>	-2.18	
			<i>For >1,000, Deduct</i>	-3.01	
			<i>For 316 Stainless Steel, Add</i>	39.78	
			<i>For Aluminum, Add</i>	2.24	
			<i>For Galvanized Steel, Add</i>	7.71	
			<i>For 304 Stainless Steel, Add</i>	35.43	
05 12 23 00-0559	LF		4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	26.02	8.89
			<i>For >100 To 250, Deduct</i>	-0.89	
			<i>For >250 To 500, Deduct</i>	-1.54	
			<i>For >500 To 1,000, Deduct</i>	-2.49	
			<i>For >1,000, Deduct</i>	-3.43	
			<i>For 316 Stainless Steel, Add</i>	45.34	
			<i>For Aluminum, Add</i>	2.55	
			<i>For Galvanized Steel, Add</i>	8.79	
			<i>For 304 Stainless Steel, Add</i>	40.38	
05 12 23 00-0560	LF		5" x 5" x 1/4" Square Steel Tubing.....	29.22	9.98
			<i>For >100 To 250, Deduct</i>	-1.00	
			<i>For >250 To 500, Deduct</i>	-1.73	
			<i>For >500 To 1,000, Deduct</i>	-2.79	
			<i>For >1,000, Deduct</i>	-3.86	
			<i>For 316 Stainless Steel, Add</i>	50.91	
			<i>For Aluminum, Add</i>	2.86	
			<i>For Galvanized Steel, Add</i>	9.86	
			<i>For 304 Stainless Steel, Add</i>	45.34	
05 12 23 00-0561	LF		6" x 6" x 1/4" Square Steel Tubing.....	35.58	12.15
			<i>For >100 To 250, Deduct</i>	-1.22	
			<i>For >250 To 500, Deduct</i>	-2.11	
			<i>For >500 To 1,000, Deduct</i>	-3.40	
			<i>For >1,000, Deduct</i>	-4.69	
			<i>For 316 Stainless Steel, Add</i>	61.98	
			<i>For Aluminum, Add</i>	3.49	
			<i>For Galvanized Steel, Add</i>	12.01	
			<i>For 304 Stainless Steel, Add</i>	55.20	
05 12 23 00-0562			Rectangular Steel Tubing (05 12 23 00-0519)		
05 12 23 00-0563			3/16" Wall Thickness (05 12 23 00-0562)		
05 12 23 00-0564	LF		3" x 2" x 3/16" Square Steel Tubing.....	12.40	4.46
			<i>For >100 To 250, Deduct</i>	-0.45	
			<i>For >250 To 500, Deduct</i>	-0.76	
			<i>For >500 To 1,000, Deduct</i>	-1.22	
			<i>For >1,000, Deduct</i>	-1.67	
			<i>For 316 Stainless Steel, Add</i>	20.64	
			<i>For Aluminum, Add</i>	1.16	
			<i>For Galvanized Steel, Add</i>	4.00	
			<i>For 304 Stainless Steel, Add</i>	18.38	
05 12 23 00-0565	LF		4" x 2" x 3/16" Square Steel Tubing.....	15.25	5.49
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-0.93	
			<i>For >500 To 1,000, Deduct</i>	-1.49	
			<i>For >1,000, Deduct</i>	-2.06	
			<i>For 316 Stainless Steel, Add</i>	25.38	
			<i>For Aluminum, Add</i>	1.43	
			<i>For Galvanized Steel, Add</i>	4.92	
			<i>For 304 Stainless Steel, Add</i>	22.60	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0566 LF 4" x 3" x 3/16" Square Steel Tubing.....	18.08	6.51
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.44	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0567 LF 5" x 2" x 3/16" Square Steel Tubing.....	18.08	6.51
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.77	
For >1,000, Deduct	-2.44	
For 316 Stainless Steel, Add	30.08	
For Aluminum, Add	1.69	
For Galvanized Steel, Add	5.83	
For 304 Stainless Steel, Add	26.79	
05 12 23 00-0568 LF 5" x 3" x 3/16" Square Steel Tubing.....	20.90	7.52
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-2.05	
For >1,000, Deduct	-2.82	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0569 LF 5" x 4" x 3/16" Square Steel Tubing.....	23.74	8.55
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.45	
For >500 To 1,000, Deduct	-2.33	
For >1,000, Deduct	-3.20	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0570 LF 6" x 2" x 3/16" Square Steel Tubing.....	20.90	7.52
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.27	
For >500 To 1,000, Deduct	-2.05	
For >1,000, Deduct	-2.82	
For 316 Stainless Steel, Add	34.78	
For Aluminum, Add	1.96	
For Galvanized Steel, Add	6.74	
For 304 Stainless Steel, Add	30.98	
05 12 23 00-0571 LF 6" x 3" x 3/16" Square Steel Tubing.....	23.74	8.55
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.45	
For >500 To 1,000, Deduct	-2.33	
For >1,000, Deduct	-3.20	
For 316 Stainless Steel, Add	39.52	
For Aluminum, Add	2.22	
For Galvanized Steel, Add	7.66	
For 304 Stainless Steel, Add	35.20	
05 12 23 00-0572 LF 6" x 4" x 3/16" Square Steel Tubing.....	26.55	9.56
For >100 To 250, Deduct	-0.96	
For >250 To 500, Deduct	-1.62	
For >500 To 1,000, Deduct	-2.60	
For >1,000, Deduct	-3.58	
For 316 Stainless Steel, Add	44.19	
For Aluminum, Add	2.49	
For Galvanized Steel, Add	8.56	
For 304 Stainless Steel, Add	39.36	
05 12 23 00-0573 1/4" Wall Thickness (05 12 23 00-0562)		
05 12 23 00-0574 LF 3" x 2" x 1/4" Square Steel Tubing.....	13.30	4.54
For >100 To 250, Deduct	-0.45	
For >250 To 500, Deduct	-0.79	
For >500 To 1,000, Deduct	-1.27	
For >1,000, Deduct	-1.76	
For 316 Stainless Steel, Add	23.17	
For Aluminum, Add	1.30	
For Galvanized Steel, Add	4.49	
For 304 Stainless Steel, Add	20.63	
05 12 23 00-0575 LF 4" x 2" x 1/4" Square Steel Tubing.....	16.48	5.63
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.98	
For >500 To 1,000, Deduct	-1.58	
For >1,000, Deduct	-2.17	
For 316 Stainless Steel, Add	28.70	
For Aluminum, Add	1.61	
For Galvanized Steel, Add	5.56	
For 304 Stainless Steel, Add	25.56	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0576	LF		4" x 3" x 1/4" Square Steel Tubing.....	19.65	6.71
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.16	
			For >500 To 1,000, Deduct	-1.88	
			For >1,000, Deduct	-2.59	
			For 316 Stainless Steel, Add	34.24	
			For Aluminum, Add	1.93	
			For Galvanized Steel, Add	6.63	
			For 304 Stainless Steel, Add	30.50	
05 12 23 00-0577	LF		5" x 2" x 1/4" Square Steel Tubing.....	19.65	6.71
			For >100 To 250, Deduct	-0.67	
			For >250 To 500, Deduct	-1.16	
			For >500 To 1,000, Deduct	-1.88	
			For >1,000, Deduct	-2.59	
			For 316 Stainless Steel, Add	34.24	
			For Aluminum, Add	1.93	
			For Galvanized Steel, Add	6.63	
			For 304 Stainless Steel, Add	30.50	
05 12 23 00-0578	LF		5" x 3" x 1/4" Square Steel Tubing.....	22.83	7.80
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.35	
			For >500 To 1,000, Deduct	-2.18	
			For >1,000, Deduct	-3.01	
			For 316 Stainless Steel, Add	39.78	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
			For 304 Stainless Steel, Add	35.43	
05 12 23 00-0579	LF		5" x 4" x 1/4" Square Steel Tubing.....	26.02	8.89
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.54	
			For >500 To 1,000, Deduct	-2.49	
			For >1,000, Deduct	-3.43	
			For 316 Stainless Steel, Add	45.34	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.79	
			For 304 Stainless Steel, Add	40.38	
05 12 23 00-0580	LF		6" x 2" x 1/4" Square Steel Tubing.....	22.83	7.80
			For >100 To 250, Deduct	-0.78	
			For >250 To 500, Deduct	-1.35	
			For >500 To 1,000, Deduct	-2.18	
			For >1,000, Deduct	-3.01	
			For 316 Stainless Steel, Add	39.78	
			For Aluminum, Add	2.24	
			For Galvanized Steel, Add	7.71	
			For 304 Stainless Steel, Add	35.43	
05 12 23 00-0581	LF		6" x 3" x 1/4" Square Steel Tubing.....	26.02	8.89
			For >100 To 250, Deduct	-0.89	
			For >250 To 500, Deduct	-1.54	
			For >500 To 1,000, Deduct	-2.49	
			For >1,000, Deduct	-3.43	
			For 316 Stainless Steel, Add	45.34	
			For Aluminum, Add	2.55	
			For Galvanized Steel, Add	8.79	
			For 304 Stainless Steel, Add	40.38	
05 12 23 00-0582	LF		6" x 4" x 1/4" Square Steel Tubing.....	29.22	9.98
			For >100 To 250, Deduct	-1.00	
			For >250 To 500, Deduct	-1.73	
			For >500 To 1,000, Deduct	-2.79	
			For >1,000, Deduct	-3.86	
			For 316 Stainless Steel, Add	50.91	
			For Aluminum, Add	2.86	
			For Galvanized Steel, Add	9.86	
			For 304 Stainless Steel, Add	45.34	
05 12 23 00-0583			Round Steel Tubing (05 12 23 00-0519)		
05 12 23 00-0584			0.065" Wall Thickness (05 12 23 00-0583)		
05 12 23 00-0585	LF		1" Diameter x 0.065" Round Steel Tubing	2.66	0.83
			For >100 To 250, Deduct	-0.08	
			For >250 To 500, Deduct	-0.15	
			For >500 To 1,000, Deduct	-0.24	
			For >1,000, Deduct	-0.34	
			For 316 Stainless Steel, Add	4.96	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.96	
			For 304 Stainless Steel, Add	4.42	
05 12 23 00-0586	LF		1-1/4" Diameter x 0.065" Round Steel Tubing	3.36	1.05
			For >100 To 250, Deduct	-0.11	
			For >250 To 500, Deduct	-0.19	
			For >500 To 1,000, Deduct	-0.31	
			For >1,000, Deduct	-0.43	
			For 316 Stainless Steel, Add	6.27	
			For Aluminum, Add	0.35	
			For Galvanized Steel, Add	1.22	
			For 304 Stainless Steel, Add	5.59	



Metals	05	05
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0587 LF 1-1/2" Diameter x 0.065" Round Steel Tubing	4.08	1.27
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.23	
For >500 To 1,000, Deduct	-0.37	
For >1,000, Deduct	-0.52	
For 316 Stainless Steel, Add	7.62	
For Aluminum, Add	0.43	
For Galvanized Steel, Add	1.48	
For 304 Stainless Steel, Add	6.78	
05 12 23 00-0588 LF 2" Diameter x 0.065" Round Steel Tubing	5.48	1.71
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.50	
For >1,000, Deduct	-0.70	
For 316 Stainless Steel, Add	10.24	
For Aluminum, Add	0.58	
For Galvanized Steel, Add	1.98	
For 304 Stainless Steel, Add	9.12	
05 12 23 00-0589 LF 2-1/2" Diameter x 0.065" Round Steel Tubing	6.91	2.16
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.39	
For >500 To 1,000, Deduct	-0.63	
For >1,000, Deduct	-0.88	
For 316 Stainless Steel, Add	12.90	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.50	
For 304 Stainless Steel, Add	11.49	
05 12 23 00-0590 LF 3" Diameter x 0.065" Round Steel Tubing	8.33	2.61
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.06	
For 316 Stainless Steel, Add	15.55	
For Aluminum, Add	0.87	
For Galvanized Steel, Add	3.01	
For 304 Stainless Steel, Add	13.85	
05 12 23 00-0591 LF 3-1/2" Diameter x 0.065" Round Steel Tubing	9.76	3.05
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.55	
For >500 To 1,000, Deduct	-0.90	
For >1,000, Deduct	-1.24	
For 316 Stainless Steel, Add	18.21	
For Aluminum, Add	1.02	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	16.22	
05 12 23 00-0592 LF 4" Diameter x 0.065" Round Steel Tubing	11.17	3.49
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.02	
For >1,000, Deduct	-1.42	
For 316 Stainless Steel, Add	20.86	
For Aluminum, Add	1.17	
For Galvanized Steel, Add	4.04	
For 304 Stainless Steel, Add	18.58	
05 12 23 00-0593 0.083" Wall Thickness (05 12 23 00-0583)		
05 12 23 00-0594 LF 1" Diameter x 0.083" Round Steel Tubing	2.89	0.91
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.16	
For >500 To 1,000, Deduct	-0.27	
For >1,000, Deduct	-0.37	
For 316 Stainless Steel, Add	5.38	
For Aluminum, Add	0.30	
For Galvanized Steel, Add	1.04	
For 304 Stainless Steel, Add	4.79	
05 12 23 00-0595 LF 1-1/4" Diameter x 0.083" Round Steel Tubing	3.67	1.16
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.34	
For >1,000, Deduct	-0.47	
For 316 Stainless Steel, Add	6.82	
For Aluminum, Add	0.38	
For Galvanized Steel, Add	1.32	
For 304 Stainless Steel, Add	6.07	
05 12 23 00-0596 LF 1-1/2" Diameter x 0.083" Round Steel Tubing	4.46	1.41
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.57	
For 316 Stainless Steel, Add	8.29	
For Aluminum, Add	0.47	
For Galvanized Steel, Add	1.61	
For 304 Stainless Steel, Add	7.38	

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0597	LF		2" Diameter x 0.083" Round Steel Tubing	6.04	1.90
			<i>For >100 To 250, Deduct</i>	-0.19	
			<i>For >250 To 500, Deduct</i>	-0.34	
			<i>For >500 To 1,000, Deduct</i>	-0.56	
			<i>For >1,000, Deduct</i>	-0.77	
			<i>For 316 Stainless Steel, Add</i>	11.20	
			<i>For Aluminum, Add</i>	0.63	
			<i>For Galvanized Steel, Add</i>	2.17	
			<i>For 304 Stainless Steel, Add</i>	9.98	
05 12 23 00-0598	LF		2-1/2" Diameter x 0.083" Round Steel Tubing	7.61	2.40
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.43	
			<i>For >500 To 1,000, Deduct</i>	-0.70	
			<i>For >1,000, Deduct</i>	-0.97	
			<i>For 316 Stainless Steel, Add</i>	14.14	
			<i>For Aluminum, Add</i>	0.80	
			<i>For Galvanized Steel, Add</i>	2.74	
			<i>For 304 Stainless Steel, Add</i>	12.60	
05 12 23 00-0599	LF		3" Diameter x 0.083" Round Steel Tubing	9.19	2.89
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.52	
			<i>For >500 To 1,000, Deduct</i>	-0.85	
			<i>For >1,000, Deduct</i>	-1.17	
			<i>For 316 Stainless Steel, Add</i>	17.06	
			<i>For Aluminum, Add</i>	0.96	
			<i>For Galvanized Steel, Add</i>	3.30	
			<i>For 304 Stainless Steel, Add</i>	15.19	
05 12 23 00-0600	LF		3-1/2" Diameter x 0.083" Round Steel Tubing	10.76	3.38
			<i>For >100 To 250, Deduct</i>	-0.34	
			<i>For >250 To 500, Deduct</i>	-0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.99	
			<i>For >1,000, Deduct</i>	-1.37	
			<i>For 316 Stainless Steel, Add</i>	19.97	
			<i>For Aluminum, Add</i>	1.12	
			<i>For Galvanized Steel, Add</i>	3.87	
			<i>For 304 Stainless Steel, Add</i>	17.78	
05 12 23 00-0601	LF		4" Diameter x 0.083" Round Steel Tubing	12.32	3.89
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500 To 1,000, Deduct</i>	-1.13	
			<i>For >1,000, Deduct</i>	-1.57	
			<i>For 316 Stainless Steel, Add</i>	22.88	
			<i>For Aluminum, Add</i>	1.29	
			<i>For Galvanized Steel, Add</i>	4.43	
			<i>For 304 Stainless Steel, Add</i>	20.38	
05 12 23 00-0602			0.125" Wall Thickness (05 12 23 00-0583)		
05 12 23 00-0603	LF		2" Diameter x 0.125" Round Steel Tubing	6.64	2.40
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.41	
			<i>For >500 To 1,000, Deduct</i>	-0.65	
			<i>For >1,000, Deduct</i>	-0.90	
			<i>For 316 Stainless Steel, Add</i>	11.01	
			<i>For Aluminum, Add</i>	0.62	
			<i>For Galvanized Steel, Add</i>	2.13	
			<i>For 304 Stainless Steel, Add</i>	9.80	
05 12 23 00-0604	LF		2-1/2" Diameter x 0.125" Round Steel Tubing	8.41	3.04
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.51	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000, Deduct</i>	-1.14	
			<i>For 316 Stainless Steel, Add</i>	13.92	
			<i>For Aluminum, Add</i>	0.78	
			<i>For Galvanized Steel, Add</i>	2.70	
			<i>For 304 Stainless Steel, Add</i>	12.40	
05 12 23 00-0605	LF		3" Diameter x 0.125" Round Steel Tubing	10.17	3.67
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.62	
			<i>For >500 To 1,000, Deduct</i>	-1.00	
			<i>For >1,000, Deduct</i>	-1.38	
			<i>For 316 Stainless Steel, Add</i>	16.86	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.27	
			<i>For 304 Stainless Steel, Add</i>	15.02	
05 12 23 00-0606	LF		3-1/2" Diameter x 0.125" Round Steel Tubing	11.95	4.32
			<i>For >100 To 250, Deduct</i>	-0.43	
			<i>For >250 To 500, Deduct</i>	-0.73	
			<i>For >500 To 1,000, Deduct</i>	-1.17	
			<i>For >1,000, Deduct</i>	-1.62	
			<i>For 316 Stainless Steel, Add</i>	19.81	
			<i>For Aluminum, Add</i>	1.11	
			<i>For Galvanized Steel, Add</i>	3.84	
			<i>For 304 Stainless Steel, Add</i>	17.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607 LF 4" Diameter x 0.125" Round Steel Tubing	13.71	4.95
<i>For >100 To 250, Deduct</i>	-0.50	
<i>For >250 To 500, Deduct</i>	-0.84	
<i>For >500 To 1,000, Deduct</i>	-1.35	
<i>For >1,000, Deduct</i>	-1.85	
<i>For 316 Stainless Steel, Add</i>	22.72	
<i>For Aluminum, Add</i>	1.28	
<i>For Galvanized Steel, Add</i>	4.40	
<i>For 304 Stainless Steel, Add</i>	20.24	
05 12 23 00-0608 Flat Steel Bar <small>(05 12 23 00-0146)</small>		
05 12 23 00-0609 1/8" Thick <small>(05 12 23 00-0608)</small>		
05 12 23 00-0610 LF 1/8" Thick x 1" Wide Flat Steel Bar	2.47	1.19
<i>For 316 Stainless Steel, Add</i>	2.18	
<i>For Aluminum, Add</i>	0.12	
<i>For Galvanized Steel, Add</i>	0.42	
<i>For 304 Stainless Steel, Add</i>	1.94	
05 12 23 00-0611 LF 1/8" Thick x 2" Wide Flat Steel Bar	3.83	1.79
<i>For 316 Stainless Steel, Add</i>	3.65	
<i>For Aluminum, Add</i>	0.21	
<i>For Galvanized Steel, Add</i>	0.71	
<i>For 304 Stainless Steel, Add</i>	3.25	
05 12 23 00-0612 LF 1/8" Thick x 4" Wide Flat Steel Bar	5.86	2.52
<i>For 316 Stainless Steel, Add</i>	6.66	
<i>For Aluminum, Add</i>	0.37	
<i>For Galvanized Steel, Add</i>	1.29	
<i>For 304 Stainless Steel, Add</i>	5.93	
05 12 23 00-0613 LF 1/8" Thick x 6" Wide Flat Steel Bar	7.93	3.42
<i>For 316 Stainless Steel, Add</i>	8.96	
<i>For Aluminum, Add</i>	0.50	
<i>For Galvanized Steel, Add</i>	1.74	
<i>For 304 Stainless Steel, Add</i>	7.98	
05 12 23 00-0614 3/16" Thick <small>(05 12 23 00-0608)</small>		
05 12 23 00-0615 LF 3/16" Thick x 1" Wide Flat Steel Bar	3.26	1.48
<i>For 316 Stainless Steel, Add</i>	3.33	
<i>For Aluminum, Add</i>	0.19	
<i>For Galvanized Steel, Add</i>	0.64	
<i>For 304 Stainless Steel, Add</i>	2.96	
05 12 23 00-0616 LF 3/16" Thick x 2" Wide Flat Steel Bar	5.14	2.22
<i>For 316 Stainless Steel, Add</i>	5.76	
<i>For Aluminum, Add</i>	0.32	
<i>For Galvanized Steel, Add</i>	1.12	
<i>For 304 Stainless Steel, Add</i>	5.13	
05 12 23 00-0617 LF 3/16" Thick x 4" Wide Flat Steel Bar	6.87	2.56
<i>For 316 Stainless Steel, Add</i>	9.73	
<i>For Aluminum, Add</i>	0.55	
<i>For Galvanized Steel, Add</i>	1.88	
<i>For 304 Stainless Steel, Add</i>	8.66	
05 12 23 00-0618 LF 3/16" Thick x 6" Wide Flat Steel Bar	9.52	3.54
<i>For 316 Stainless Steel, Add</i>	13.47	
<i>For Aluminum, Add</i>	0.76	
<i>For Galvanized Steel, Add</i>	2.61	
<i>For 304 Stainless Steel, Add</i>	12.00	
05 12 23 00-0619 1/4" Thick <small>(05 12 23 00-0608)</small>		
05 12 23 00-0620 LF 1/4" Thick x 1" Wide Flat Steel Bar	3.39	1.57
<i>For 316 Stainless Steel, Add</i>	3.30	
<i>For Aluminum, Add</i>	0.19	
<i>For Galvanized Steel, Add</i>	0.64	
<i>For 304 Stainless Steel, Add</i>	2.94	
05 12 23 00-0621 LF 1/4" Thick x 2" Wide Flat Steel Bar	5.61	2.36
<i>For 316 Stainless Steel, Add</i>	6.69	
<i>For Aluminum, Add</i>	0.38	
<i>For Galvanized Steel, Add</i>	1.30	
<i>For 304 Stainless Steel, Add</i>	5.96	
05 12 23 00-0622 LF 1/4" Thick x 4" Wide Flat Steel Bar	8.07	2.69
<i>For 316 Stainless Steel, Add</i>	12.93	
<i>For Aluminum, Add</i>	0.73	
<i>For Galvanized Steel, Add</i>	2.50	
<i>For 304 Stainless Steel, Add</i>	11.51	
05 12 23 00-0623 LF 1/4" Thick x 6" Wide Flat Steel Bar	11.69	3.97
<i>For 316 Stainless Steel, Add</i>	18.34	
<i>For Aluminum, Add</i>	1.03	
<i>For Galvanized Steel, Add</i>	3.55	
<i>For 304 Stainless Steel, Add</i>	16.33	
05 12 23 00-0624 3/8" Thick <small>(05 12 23 00-0608)</small>		

05 Metals**05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0625	LF		3/8" Thick x 1" Wide Flat Steel Bar	4.27	1.76
			<i>For 316 Stainless Steel, Add</i>	5.18	
			<i>For Aluminum, Add</i>	0.29	
			<i>For Galvanized Steel, Add</i>	1.00	
			<i>For 304 Stainless Steel, Add</i>	4.62	
05 12 23 00-0626	LF		3/8" Thick x 2" Wide Flat Steel Bar	6.96	2.64
			<i>For 316 Stainless Steel, Add</i>	9.57	
			<i>For Aluminum, Add</i>	0.54	
			<i>For Galvanized Steel, Add</i>	1.85	
			<i>For 304 Stainless Steel, Add</i>	8.52	
05 12 23 00-0627	LF		3/8" Thick x 4" Wide Flat Steel Bar	10.51	3.02
			<i>For 316 Stainless Steel, Add</i>	19.14	
			<i>For Aluminum, Add</i>	1.08	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For 304 Stainless Steel, Add</i>	17.04	
05 12 23 00-0628	LF		3/8" Thick x 6" Wide Flat Steel Bar	15.12	4.46
			<i>For 316 Stainless Steel, Add</i>	26.91	
			<i>For Aluminum, Add</i>	1.51	
			<i>For Galvanized Steel, Add</i>	5.21	
			<i>For 304 Stainless Steel, Add</i>	23.97	
05 12 23 00-0629			1/2" Thick <small>(05 12 23 00-0608)</small>		
05 12 23 00-0630	LF		1/2" Thick x 1" Wide Flat Steel Bar	4.99	1.93
			<i>For 316 Stainless Steel, Add</i>	6.66	
			<i>For Aluminum, Add</i>	0.37	
			<i>For Galvanized Steel, Add</i>	1.29	
			<i>For 304 Stainless Steel, Add</i>	5.93	
05 12 23 00-0631	LF		1/2" Thick x 2" Wide Flat Steel Bar	8.19	2.91
			<i>For 316 Stainless Steel, Add</i>	12.22	
			<i>For Aluminum, Add</i>	0.69	
			<i>For Galvanized Steel, Add</i>	2.37	
			<i>For 304 Stainless Steel, Add</i>	10.89	
05 12 23 00-0632	LF		1/2" Thick x 4" Wide Flat Steel Bar	11.48	3.31
			<i>For 316 Stainless Steel, Add</i>	20.80	
			<i>For Aluminum, Add</i>	1.17	
			<i>For Galvanized Steel, Add</i>	4.03	
			<i>For 304 Stainless Steel, Add</i>	18.53	
05 12 23 00-0633	LF		1/2" Thick x 6" Wide Flat Steel Bar	20.35	4.91
			<i>For 316 Stainless Steel, Add</i>	41.50	
			<i>For Aluminum, Add</i>	2.33	
			<i>For Galvanized Steel, Add</i>	8.04	
			<i>For 304 Stainless Steel, Add</i>	36.96	
05 12 23 00-0634			Flat Steel Plate <small>(05 12 23 00-0146)</small>		
05 12 23 00-0635	SF		1/8" Thick Flat Steel Plate	12.60	5.13
			<i>For 316 Stainless Steel, Add</i>	15.65	
			<i>For Aluminum, Add</i>	0.88	
			<i>For Galvanized Steel, Add</i>	3.03	
			<i>For 304 Stainless Steel, Add</i>	13.94	
05 12 23 00-0636	SF		3/16" Thick Flat Steel Plate	14.10	5.31
			<i>For 316 Stainless Steel, Add</i>	19.58	
			<i>For Aluminum, Add</i>	1.10	
			<i>For Galvanized Steel, Add</i>	3.79	
			<i>For 304 Stainless Steel, Add</i>	17.44	
05 12 23 00-0637	SF		1/4" Thick Flat Steel Plate	16.76	5.96
			<i>For 316 Stainless Steel, Add</i>	24.99	
			<i>For Aluminum, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.84	
			<i>For 304 Stainless Steel, Add</i>	22.26	
05 12 23 00-0638	SF		3/8" Thick Flat Steel Plate	22.31	6.70
			<i>For 316 Stainless Steel, Add</i>	39.20	
			<i>For Aluminum, Add</i>	2.21	
			<i>For Galvanized Steel, Add</i>	7.60	
			<i>For 304 Stainless Steel, Add</i>	34.91	
05 12 23 00-0639	SF		1/2" Thick Flat Steel Plate	26.32	7.37
			<i>For 316 Stainless Steel, Add</i>	48.83	
			<i>For Aluminum, Add</i>	2.75	
			<i>For Galvanized Steel, Add</i>	9.46	
			<i>For 304 Stainless Steel, Add</i>	43.49	
05 12 23 00-0640	SF		3/4" Thick Flat Steel Plate	42.46	9.13
			<i>For 316 Stainless Steel, Add</i>	91.62	
			<i>For Aluminum, Add</i>	5.15	
			<i>For Galvanized Steel, Add</i>	17.75	
			<i>For 304 Stainless Steel, Add</i>	81.60	
05 12 23 00-0641	SF		1" Thick Flat Steel Plate	56.49	11.41
			<i>For 316 Stainless Steel, Add</i>	125.44	
			<i>For Aluminum, Add</i>	7.06	
			<i>For Galvanized Steel, Add</i>	24.30	
			<i>For 304 Stainless Steel, Add</i>	111.72	

05 14 Structural Aluminum Framing (05 10)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 Structural Aluminum Framing (05 14)					
05 14 16 00-0001 Rolled Or Plate Shapes (05 14 16)					
Note: 1" through 10" member.					
	05 14 16 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members	7.56	3.98
	05 14 16 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members	7.31	2.68
05 14 16 00-0004 Aluminum Extrusions (05 14 16)					
	05 14 16 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	6.76	2.68
	05 14 16 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	6.99	2.68
05 14 16 00-0007 Aluminum Tubing (05 14 16)					
	05 14 16 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	8.09	2.89
	05 14 16 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	10.59	4.68
	05 14 16 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	11.93	5.11
	05 14 16 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	13.85	5.96
	05 14 16 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	15.33	6.39
	05 14 16 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	27.99	8.09
	05 14 16 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	23.89	7.24
05 14 16 00-0015 Columns (05 14 16)					
Note: Baked on paint finish, load bearing.					
05 14 16 00-0016 Round Columns (05 14 16 00-0015)					
	05 14 16 00-0017	LF	6" Diameter Aluminum Column	21.83	5.53
	05 14 16 00-0018	LF	8" Diameter Aluminum Column	29.00	7.93
	05 14 16 00-0019	LF	10" Diameter Aluminum Column	34.40	8.92
	05 14 16 00-0020	LF	12" Diameter Aluminum Column	46.40	9.33
	05 14 16 00-0021	LF	15" Diameter Aluminum Column	57.84	10.82
	05 14 16 00-0022	EA	6" Diameter Aluminum Base And Cap	40.73	10.32
	05 14 16 00-0023	EA	8" Diameter Aluminum Base And Cap	45.75	11.15
	05 14 16 00-0024	EA	10" Diameter Aluminum Base And Cap	55.61	12.38
	05 14 16 00-0025	EA	12" Diameter Aluminum Base And Cap	85.69	13.21
	05 14 16 00-0026	EA	15" Diameter Aluminum Base And Cap	123.84	14.45
05 14 16 00-0027 Octagonal Columns (05 14 16 00-0015)					
	05 14 16 00-0028	LF	6" Diameter Aluminum Column	22.79	5.53
	05 14 16 00-0029	LF	8" Diameter Aluminum Column	31.63	7.93
	05 14 16 00-0030	LF	10" Diameter Aluminum Column	37.71	8.92
	05 14 16 00-0031	LF	12" Diameter Aluminum Column	51.96	9.33
	05 14 16 00-0032	LF	15" Diameter Aluminum Column	65.10	10.82
	05 14 16 00-0033	EA	6" Diameter Aluminum Base And Cap	44.74	10.32
	05 14 16 00-0034	EA	8" Diameter Aluminum Base And Cap	50.45	11.15
	05 14 16 00-0035	EA	10" Diameter Aluminum Base And Cap	61.78	12.38
	05 14 16 00-0036	EA	12" Diameter Aluminum Base And Cap	97.55	13.21
	05 14 16 00-0037	EA	15" Diameter Aluminum Base And Cap	142.83	14.45
05 14 16 00-0038 Fluted Columns (05 14 16 00-0015)					
	05 14 16 00-0039	LF	6" Diameter Aluminum Column	24.56	5.53
	05 14 16 00-0040	LF	8" Diameter Aluminum Column	33.99	7.93
	05 14 16 00-0041	LF	10" Diameter Aluminum Column	40.70	8.92
	05 14 16 00-0042	LF	12" Diameter Aluminum Column	56.97	9.33
	05 14 16 00-0043	LF	15" Diameter Aluminum Column	71.63	10.82
	05 14 16 00-0044	EA	6" Diameter Aluminum Base And Cap	48.36	10.32
	05 14 16 00-0045	EA	8" Diameter Aluminum Base And Cap	54.67	11.15
	05 14 16 00-0046	EA	10" Diameter Aluminum Base And Cap	67.33	12.38
	05 14 16 00-0047	EA	12" Diameter Aluminum Base And Cap	108.21	13.21
	05 14 16 00-0048	EA	15" Diameter Aluminum Base And Cap	159.92	14.45
05 14 16 00-0049 Square Columns (05 14 16 00-0015)					
	05 14 16 00-0050	LF	6" Aluminum Column	25.78	5.53
	05 14 16 00-0051	LF	8" Aluminum Column	35.60	7.93
	05 14 16 00-0052	LF	10" Aluminum Column	42.74	8.92
	05 14 16 00-0053	LF	12" Aluminum Column	60.39	9.33
	05 14 16 00-0054	LF	15" Aluminum Column	76.10	10.82
	05 14 16 00-0055	EA	6" Aluminum Base And Cap	50.83	10.32
	05 14 16 00-0056	EA	8" Aluminum Base And Cap	57.56	11.15
	05 14 16 00-0057	EA	10" Aluminum Base And Cap	71.13	12.38
	05 14 16 00-0058	EA	12" Aluminum Base And Cap	115.51	13.21
	05 14 16 00-0059	EA	15" Aluminum Base And Cap	171.61	14.45
05 14 16 00-0060 Ornamental Or Decorative Cap And Bases (05 14 16 00-0015)					
	05 14 16 00-0061	EA	8" Corinthian Capital And Base	229.17	12.38

05 Metals**05 10 Structural Metal Framing****05 14 Structural Aluminum Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 16 00-0062	EA		10" Corinthian Capital And Base.....	332.44	14.45
05 14 16 00-0063	EA		12" Corinthian Capital And Base.....	517.82	16.51
05 14 16 00-0064	EA		8" Scamozzi Capital And Base.....	121.73	12.38
05 14 16 00-0065	EA		10" Scamozzi Capital And Base.....	160.36	14.45
05 14 16 00-0066	EA		12" Scamozzi Capital And Base.....	306.61	16.51

05 15 Wire Rope Assemblies (05 10)**05 15 16 Steel Wire Rope Assemblies** (05 15)

Note: IWRC = Independent Wire Rope Center; IPS = Improved Plow Steel; XIP = Extra Improved Plow Steel.

05 15 16 00-0001 6x7 Class Bright, IPS, Fiber Core (05 15 16)

05 15 16 00-0002	LF		1/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.31	0.06
			<i>For 7x7 Strand Core, Add</i>	0.01	
			<i>For <100, Add</i>	0.08	
			<i>For >500 To 1,000, Deduct</i>	-0.02	
			<i>For >1,000 To 2,000, Deduct</i>	-0.02	
			<i>For >2,000, Deduct</i>	-0.03	
05 15 16 00-0003	LF		3/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.35	0.07
			<i>For 7x7 Strand Core, Add</i>	0.01	
			<i>For <100, Add</i>	0.09	
			<i>For >500 To 1,000, Deduct</i>	-0.02	
			<i>For >1,000 To 2,000, Deduct</i>	-0.03	
			<i>For >2,000, Deduct</i>	-0.04	
05 15 16 00-0004	LF		1/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.46	0.08
			<i>For 7x7 Strand Core, Add</i>	0.02	
			<i>For <100, Add</i>	0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.02	
			<i>For >1,000 To 2,000, Deduct</i>	-0.03	
			<i>For >2,000, Deduct</i>	-0.05	
05 15 16 00-0005	LF		5/32" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.50	0.08
			<i>For 7x7 Strand Core, Add</i>	0.02	
			<i>For <100, Add</i>	0.14	
			<i>For >500 To 1,000, Deduct</i>	-0.03	
			<i>For >1,000 To 2,000, Deduct</i>	-0.04	
			<i>For >2,000, Deduct</i>	-0.05	
05 15 16 00-0006	LF		3/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.72	0.08
			<i>For 7x7 Strand Core, Add</i>	0.03	
			<i>For <100, Add</i>	0.21	
			<i>For >500 To 1,000, Deduct</i>	-0.04	
			<i>For >1,000 To 2,000, Deduct</i>	-0.05	
			<i>For >2,000, Deduct</i>	-0.07	
05 15 16 00-0007	LF		1/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	0.94	0.08
			<i>For 7x7 Strand Core, Add</i>	0.04	
			<i>For <100, Add</i>	0.29	
			<i>For >500 To 1,000, Deduct</i>	-0.05	
			<i>For >1,000 To 2,000, Deduct</i>	-0.07	
			<i>For >2,000, Deduct</i>	-0.09	
05 15 16 00-0008	LF		5/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.19	0.08
			<i>For 7x7 Strand Core, Add</i>	0.05	
			<i>For <100, Add</i>	0.36	
			<i>For >500 To 1,000, Deduct</i>	-0.06	
			<i>For >1,000 To 2,000, Deduct</i>	-0.09	
			<i>For >2,000, Deduct</i>	-0.12	
05 15 16 00-0009	LF		3/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.51	0.08
			<i>For 7x7 Strand Core, Add</i>	0.06	
			<i>For <100, Add</i>	0.46	
			<i>For >500 To 1,000, Deduct</i>	-0.08	
			<i>For >1,000 To 2,000, Deduct</i>	-0.11	
			<i>For >2,000, Deduct</i>	-0.15	
05 15 16 00-0010	LF		7/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	1.86	0.17
			<i>For 7x7 Strand Core, Add</i>	0.07	
			<i>For <100, Add</i>	0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.14	
			<i>For >2,000, Deduct</i>	-0.19	
05 15 16 00-0011	LF		1/2" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	2.20	0.17
			<i>For 7x7 Strand Core, Add</i>	0.08	
			<i>For <100, Add</i>	0.64	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.17	
			<i>For >2,000, Deduct</i>	-0.22	
05 15 16 00-0012	LF		9/16" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	2.68	0.25
			<i>For 7x7 Strand Core, Add</i>	0.09	
			<i>For <100, Add</i>	0.77	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.20	
			<i>For >2,000, Deduct</i>	-0.27	
05 15 16 00-0013	LF		5/8" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core.....	3.08	0.34
			<i>For 7x7 Strand Core, Add</i>	0.10	
			<i>For <100, Add</i>	0.88	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0014	LF		3/4" Diameter 6x7 Class Bright Wire Rope IPS, Fiber Core <i>For 7x7 Strand Core, Add</i> <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.14 0.14 1.16 -0.21 -0.31 -0.41	0.42
05 15 16 00-0015 8x19 Class Bright, IPS, Fiber Core <small>(05 15 16)</small>					
05 15 16 00-0016	LF		3/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.04 0.32 -0.05 -0.08 -0.10	0.08
05 15 16 00-0017	LF		1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.55 0.50 -0.08 -0.12 -0.16	0.08
05 15 16 00-0018	LF		5/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	1.79 0.57 -0.09 -0.13 -0.18	0.08
05 15 16 00-0019	LF		3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.09 0.66 -0.10 -0.16 -0.21	0.08
05 15 16 00-0020	LF		7/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.49 0.77 -0.12 -0.19 -0.25	0.17
05 15 16 00-0021	LF		1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	2.86 0.87 -0.14 -0.21 -0.29	0.17
05 15 16 00-0022	LF		9/16" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	3.38 1.01 -0.17 -0.25 -0.34	0.25
05 15 16 00-0023	LF		5/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	4.07 1.22 -0.20 -0.31 -0.41	0.34
05 15 16 00-0024	LF		3/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	5.69 1.70 -0.28 -0.43 -0.57	0.42
05 15 16 00-0025	LF		7/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	7.57 2.24 -0.38 -0.57 -0.76	0.59
05 15 16 00-0026	LF		1" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	9.52 2.79 -0.48 -0.71 -0.95	0.86
05 15 16 00-0027	LF		1-1/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	6.97 1.76 -0.35 -0.52 -0.70	1.03
05 15 16 00-0028	LF		1-1/4" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	14.37 4.18 -0.72 -1.08 -1.44	1.28
05 15 16 00-0029	LF		1-3/8" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	17.27 5.03 -0.86 -1.30 -1.73	1.53
05 15 16 00-0030	LF		1-1/2" Diameter 8x19 Bright Class Wire Rope IPS, Fiber Core <i>For <100, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000 To 2,000, Deduct</i> <i>For >2,000, Deduct</i>	20.53 5.97 -1.03 -1.54 -2.05	1.87

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0031			6x19 Class Bright, IPS, IWRC ^(05 15 16)		
05 15 16 00-0032	LF		1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	1.48	0.08
			For <100, Add	0.48	
			For >500 To 1,000, Deduct	-0.07	
			For >1,000 To 2,000, Deduct	-0.11	
			For >2,000, Deduct	-0.15	
			For 7x19 Strand Core, Add	0.26	
			For Heavy Duty IWRC Rating, Add	0.32	
			For 7x19 Galvanized, Add	0.70	
05 15 16 00-0033	LF		5/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	1.74	0.08
			For <100, Add	0.55	
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.13	
			For >2,000, Deduct	-0.17	
			For 7x19 Strand Core, Add	0.29	
			For Heavy Duty IWRC Rating, Add	0.36	
			For 7x19 Galvanized, Add	0.79	
05 15 16 00-0034	LF		3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.10	0.17
			For <100, Add	0.65	
			For >500 To 1,000, Deduct	-0.11	
			For >1,000 To 2,000, Deduct	-0.16	
			For >2,000, Deduct	-0.21	
			For 7x19 Strand Core, Add	0.33	
			For Heavy Duty IWRC Rating, Add	0.42	
			For 7x19 Galvanized, Add	0.91	
05 15 16 00-0035	LF		7/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.47	0.17
			For <100, Add	0.75	
			For >500 To 1,000, Deduct	-0.12	
			For >1,000 To 2,000, Deduct	-0.19	
			For >2,000, Deduct	-0.25	
			For 7x19 Strand Core, Add	0.38	
			For Heavy Duty IWRC Rating, Add	0.47	
			For 7x19 Galvanized, Add	1.03	
05 15 16 00-0036	LF		1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	2.90	0.25
			For <100, Add	0.86	
			For >500 To 1,000, Deduct	-0.15	
			For >1,000 To 2,000, Deduct	-0.22	
			For >2,000, Deduct	-0.29	
			For 7x19 Strand Core, Add	0.42	
			For Heavy Duty IWRC Rating, Add	0.53	
			For 7x19 Galvanized, Add	1.16	
05 15 16 00-0037	LF		9/16" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	3.43	0.34
			For <100, Add	1.00	
			For >500 To 1,000, Deduct	-0.17	
			For >1,000 To 2,000, Deduct	-0.26	
			For >2,000, Deduct	-0.34	
			For 7x19 Strand Core, Add	0.48	
			For Heavy Duty IWRC Rating, Add	0.61	
			For 7x19 Galvanized, Add	1.33	
05 15 16 00-0038	LF		5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	3.95	0.34
			For <100, Add	1.13	
			For >500 To 1,000, Deduct	-0.20	
			For >1,000 To 2,000, Deduct	-0.30	
			For >2,000, Deduct	-0.40	
			For 7x19 Strand Core, Add	0.54	
			For Heavy Duty IWRC Rating, Add	0.68	
			For 7x19 Galvanized, Add	1.49	
05 15 16 00-0039	LF		3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	5.59	0.59
			For <100, Add	1.60	
			For >500 To 1,000, Deduct	-0.28	
			For >1,000 To 2,000, Deduct	-0.42	
			For >2,000, Deduct	-0.56	
			For 7x19 Strand Core, Add	0.76	
			For Heavy Duty IWRC Rating, Add	0.95	
			For 7x19 Galvanized, Add	2.09	
05 15 16 00-0040	LF		7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	7.39	0.68
			For <100, Add	2.10	
			For >500 To 1,000, Deduct	-0.37	
			For >1,000 To 2,000, Deduct	-0.55	
			For >2,000, Deduct	-0.74	
			For 7x19 Strand Core, Add	0.99	
			For Heavy Duty IWRC Rating, Add	1.24	
			For 7x19 Galvanized, Add	2.72	
05 15 16 00-0041	LF		1" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	9.30	0.94
			For <100, Add	2.61	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000 To 2,000, Deduct	-0.70	
			For >2,000, Deduct	-0.93	
			For 7x19 Strand Core, Add	1.22	
			For Heavy Duty IWRC Rating, Add	1.52	
			For 7x19 Galvanized, Add	3.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0042 LF 1-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	11.52	1.19
For <100, Add	3.23	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-0.86	
For >2,000, Deduct	-1.15	
For 7x19 Strand Core, Add	1.51	
For Heavy Duty IWRC Rating, Add	1.88	
For 7x19 Galvanized, Add	4.14	
05 15 16 00-0043 LF 1-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	13.74	1.45
For <100, Add	3.84	
For >500 To 1,000, Deduct	-0.69	
For >1,000 To 2,000, Deduct	-1.03	
For >2,000, Deduct	-1.37	
For 7x19 Strand Core, Add	1.77	
For Heavy Duty IWRC Rating, Add	2.22	
For 7x19 Galvanized, Add	4.88	
05 15 16 00-0044 LF 1-3/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	16.67	1.79
For <100, Add	4.64	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.25	
For >2,000, Deduct	-1.67	
For 7x19 Strand Core, Add	2.14	
For Heavy Duty IWRC Rating, Add	2.67	
For 7x19 Galvanized, Add	5.88	
05 15 16 00-0045 LF 1-1/2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	19.77	2.13
For <100, Add	5.50	
For >500 To 1,000, Deduct	-0.99	
For >1,000 To 2,000, Deduct	-1.48	
For >2,000, Deduct	-1.98	
For 7x19 Strand Core, Add	2.53	
For Heavy Duty IWRC Rating, Add	3.17	
For 7x19 Galvanized, Add	6.97	
05 15 16 00-0046 LF 1-5/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	23.53	2.47
For <100, Add	6.57	
For >500 To 1,000, Deduct	-1.18	
For >1,000 To 2,000, Deduct	-1.76	
For >2,000, Deduct	-2.35	
For 7x19 Strand Core, Add	3.04	
For Heavy Duty IWRC Rating, Add	3.81	
For 7x19 Galvanized, Add	8.37	
05 15 16 00-0047 LF 1-3/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	31.53	4.14
For <100, Add	8.30	
For >500 To 1,000, Deduct	-1.58	
For >1,000 To 2,000, Deduct	-2.36	
For >2,000, Deduct	-3.15	
For 7x19 Strand Core, Add	3.57	
For Heavy Duty IWRC Rating, Add	4.47	
For 7x19 Galvanized, Add	9.83	
05 15 16 00-0048 LF 1-7/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	36.22	4.69
For <100, Add	9.54	
For >500 To 1,000, Deduct	-1.81	
For >1,000 To 2,000, Deduct	-2.72	
For >2,000, Deduct	-3.62	
For 7x19 Strand Core, Add	4.11	
For Heavy Duty IWRC Rating, Add	5.14	
For 7x19 Galvanized, Add	11.30	
05 15 16 00-0049 LF 2" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	41.61	5.41
For <100, Add	10.96	
For >500 To 1,000, Deduct	-2.08	
For >1,000 To 2,000, Deduct	-3.12	
For >2,000, Deduct	-4.16	
For 7x19 Strand Core, Add	4.72	
For Heavy Duty IWRC Rating, Add	5.90	
For 7x19 Galvanized, Add	12.97	
05 15 16 00-0050 LF 2-1/8" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	46.86	6.04
For <100, Add	12.40	
For >500 To 1,000, Deduct	-2.34	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000, Deduct	-4.69	
For 7x19 Strand Core, Add	5.37	
For Heavy Duty IWRC Rating, Add	6.71	
For 7x19 Galvanized, Add	14.76	
05 15 16 00-0051 LF 2-1/4" Diameter 6x19 Class Bright Wire Rope IPS, IWRC.....	53.13	6.76
For <100, Add	14.09	
For >500 To 1,000, Deduct	-2.66	
For >1,000 To 2,000, Deduct	-3.98	
For >2,000, Deduct	-5.31	
For 7x19 Strand Core, Add	6.12	
For Heavy Duty IWRC Rating, Add	7.65	
For 7x19 Galvanized, Add	16.83	

05 15 16 00-0052 6x37 Class Bright, IPS, IWRC (05 15 16)

05	Metals
05 10	Structural Metal Framing
05 15	Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0053	LF		1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	1.86	0.08
			<i>For <100, Add</i>	0.61	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.14	
			<i>For >2,000, Deduct</i>	-0.19	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0054	LF		5/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.21	0.08
			<i>For <100, Add</i>	0.71	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.17	
			<i>For >2,000, Deduct</i>	-0.22	
			<i>For XIPS Wire, Add</i>	0.05	
05 15 16 00-0055	LF		3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	2.67	0.17
			<i>For <100, Add</i>	0.85	
			<i>For >500 To 1,000, Deduct</i>	-0.13	
			<i>For >1,000 To 2,000, Deduct</i>	-0.20	
			<i>For >2,000, Deduct</i>	-0.27	
			<i>For XIPS Wire, Add</i>	0.06	
05 15 16 00-0056	LF		7/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.08	0.17
			<i>For <100, Add</i>	0.96	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	
			<i>For XIPS Wire, Add</i>	0.07	
05 15 16 00-0057	LF		1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	3.60	0.25
			<i>For <100, Add</i>	1.10	
			<i>For >500 To 1,000, Deduct</i>	-0.18	
			<i>For >1,000 To 2,000, Deduct</i>	-0.27	
			<i>For >2,000, Deduct</i>	-0.36	
			<i>For XIPS Wire, Add</i>	0.09	
05 15 16 00-0058	LF		9/16" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.17	0.34
			<i>For <100, Add</i>	1.26	
			<i>For >500 To 1,000, Deduct</i>	-0.21	
			<i>For >1,000 To 2,000, Deduct</i>	-0.31	
			<i>For >2,000, Deduct</i>	-0.42	
			<i>For XIPS Wire, Add</i>	0.10	
05 15 16 00-0059	LF		5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	4.75	0.34
			<i>For <100, Add</i>	1.41	
			<i>For >500 To 1,000, Deduct</i>	-0.24	
			<i>For >1,000 To 2,000, Deduct</i>	-0.36	
			<i>For >2,000, Deduct</i>	-0.48	
			<i>For XIPS Wire, Add</i>	0.11	
05 15 16 00-0060	LF		3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	6.35	0.59
			<i>For <100, Add</i>	1.86	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.48	
			<i>For >2,000, Deduct</i>	-0.64	
			<i>For XIPS Wire, Add</i>	0.15	
05 15 16 00-0061	LF		7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	8.21	0.68
			<i>For <100, Add</i>	2.39	
			<i>For >500 To 1,000, Deduct</i>	-0.41	
			<i>For >1,000 To 2,000, Deduct</i>	-0.62	
			<i>For >2,000, Deduct</i>	-0.82	
			<i>For XIPS Wire, Add</i>	0.19	
05 15 16 00-0062	LF		1" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	10.33	0.94
			<i>For <100, Add</i>	2.99	
			<i>For >500 To 1,000, Deduct</i>	-0.52	
			<i>For >1,000 To 2,000, Deduct</i>	-0.77	
			<i>For >2,000, Deduct</i>	-1.03	
			<i>For XIPS Wire, Add</i>	0.24	
05 15 16 00-0063	LF		1-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	12.83	1.19
			<i>For <100, Add</i>	3.68	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000 To 2,000, Deduct</i>	-0.96	
			<i>For >2,000, Deduct</i>	-1.28	
			<i>For XIPS Wire, Add</i>	0.30	
05 15 16 00-0064	LF		1-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	15.30	1.45
			<i>For <100, Add</i>	4.38	
			<i>For >500 To 1,000, Deduct</i>	-0.77	
			<i>For >1,000 To 2,000, Deduct</i>	-1.15	
			<i>For >2,000, Deduct</i>	-1.53	
			<i>For XIPS Wire, Add</i>	0.36	
05 15 16 00-0065	LF		1-3/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	18.14	1.79
			<i>For <100, Add</i>	5.15	
			<i>For >500 To 1,000, Deduct</i>	-0.91	
			<i>For >1,000 To 2,000, Deduct</i>	-1.36	
			<i>For >2,000, Deduct</i>	-1.81	
			<i>For XIPS Wire, Add</i>	0.42	
05 15 16 00-0066	LF		1-1/2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	21.58	2.13
			<i>For <100, Add</i>	6.13	
			<i>For >500 To 1,000, Deduct</i>	-1.08	
			<i>For >1,000 To 2,000, Deduct</i>	-1.62	
			<i>For >2,000, Deduct</i>	-2.16	
			<i>For XIPS Wire, Add</i>	0.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0067	LF		1-5/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	25.91	2.56
			<i>For <100, Add</i>	7.36	
			<i>For >500 To 1,000, Deduct</i>	-1.30	
			<i>For >1,000 To 2,000, Deduct</i>	-1.94	
			<i>For >2,000, Deduct</i>	-2.59	
			<i>For XIPS Wire, Add</i>	0.61	
05 15 16 00-0068	LF		1-3/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	34.47	4.14
			<i>For <100, Add</i>	9.29	
			<i>For >500 To 1,000, Deduct</i>	-1.72	
			<i>For >1,000 To 2,000, Deduct</i>	-2.59	
			<i>For >2,000, Deduct</i>	-3.45	
			<i>For XIPS Wire, Add</i>	0.79	
05 15 16 00-0069	LF		1-7/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	39.85	4.69
			<i>For <100, Add</i>	10.81	
			<i>For >500 To 1,000, Deduct</i>	-1.99	
			<i>For >1,000 To 2,000, Deduct</i>	-2.99	
			<i>For >2,000, Deduct</i>	-3.99	
			<i>For XIPS Wire, Add</i>	0.92	
05 15 16 00-0070	LF		2" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	45.47	5.41
			<i>For <100, Add</i>	12.31	
			<i>For >500 To 1,000, Deduct</i>	-2.27	
			<i>For >1,000 To 2,000, Deduct</i>	-3.41	
			<i>For >2,000, Deduct</i>	-4.55	
			<i>For XIPS Wire, Add</i>	1.05	
05 15 16 00-0071	LF		2-1/8" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	51.26	6.04
			<i>For <100, Add</i>	13.94	
			<i>For >500 To 1,000, Deduct</i>	-2.56	
			<i>For >1,000 To 2,000, Deduct</i>	-3.84	
			<i>For >2,000, Deduct</i>	-5.13	
			<i>For XIPS Wire, Add</i>	1.18	
05 15 16 00-0072	LF		2-1/4" Diameter 6x37 Class Bright Wire Rope IPS, IWRC.....	57.85	6.76
			<i>For <100, Add</i>	15.74	
			<i>For >500 To 1,000, Deduct</i>	-2.89	
			<i>For >1,000 To 2,000, Deduct</i>	-4.34	
			<i>For >2,000, Deduct</i>	-5.79	
			<i>For XIPS Wire, Add</i>	1.33	
05 15 16 00-0073			6x19 And 6x37 Swaged Wire Rope <small>(05 15 16)</small>		
05 15 16 00-0074	LF		1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	5.08	0.34
			<i>For <100, Add</i>	1.55	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000 To 2,000, Deduct</i>	-0.38	
			<i>For >2,000, Deduct</i>	-0.51	
05 15 16 00-0075	LF		9/16" Diameter 6x19 And 6x37 Swaged Wire Rope	5.70	0.34
			<i>For <100, Add</i>	1.76	
			<i>For >500 To 1,000, Deduct</i>	-0.29	
			<i>For >1,000 To 2,000, Deduct</i>	-0.43	
			<i>For >2,000, Deduct</i>	-0.57	
05 15 16 00-0076	LF		5/8" Diameter 6x19 And 6x37 Swaged Wire Rope	7.05	0.42
			<i>For <100, Add</i>	2.17	
			<i>For >500 To 1,000, Deduct</i>	-0.35	
			<i>For >1,000 To 2,000, Deduct</i>	-0.53	
			<i>For >2,000, Deduct</i>	-0.71	
05 15 16 00-0077	LF		3/4" Diameter 6x19 And 6x37 Swaged Wire Rope	8.70	0.68
			<i>For <100, Add</i>	2.62	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000 To 2,000, Deduct</i>	-0.65	
			<i>For >2,000, Deduct</i>	-0.87	
05 15 16 00-0078	LF		7/8" Diameter 6x19 And 6x37 Swaged Wire Rope	10.82	0.86
			<i>For <100, Add</i>	3.22	
			<i>For >500 To 1,000, Deduct</i>	-0.54	
			<i>For >1,000 To 2,000, Deduct</i>	-0.81	
			<i>For >2,000, Deduct</i>	-1.08	
05 15 16 00-0079	LF		1" Diameter 6x19 And 6x37 Swaged Wire Rope	13.38	1.11
			<i>For <100, Add</i>	3.93	
			<i>For >500 To 1,000, Deduct</i>	-0.67	
			<i>For >1,000 To 2,000, Deduct</i>	-1.00	
			<i>For >2,000, Deduct</i>	-1.34	
05 15 16 00-0080	LF		1-1/8" Diameter 6x19 And 6x37 Swaged Wire Rope	16.83	1.45
			<i>For <100, Add</i>	4.93	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000 To 2,000, Deduct</i>	-1.26	
			<i>For >2,000, Deduct</i>	-1.68	
05 15 16 00-0081	LF		1-1/4" Diameter 6x19 And 6x37 Swaged Wire Rope	20.12	1.79
			<i>For <100, Add</i>	5.86	
			<i>For >500 To 1,000, Deduct</i>	-1.01	
			<i>For >1,000 To 2,000, Deduct</i>	-1.51	
			<i>For >2,000, Deduct</i>	-2.01	
05 15 16 00-0082	LF		1-3/8" Diameter 6x19 And 6x37 Swaged Wire Rope	23.62	2.13
			<i>For <100, Add</i>	6.84	
			<i>For >500 To 1,000, Deduct</i>	-1.18	
			<i>For >1,000 To 2,000, Deduct</i>	-1.77	
			<i>For >2,000, Deduct</i>	-2.36	

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0083	LF		1-1/2" Diameter 6x19 And 6x37 Swaged Wire Rope	31.86	3.61
			<i>For <100, Add</i>	8.75	
			<i>For >500 To 1,000, Deduct</i>	-1.59	
			<i>For >1,000 To 2,000, Deduct</i>	-2.39	
			<i>For >2,000, Deduct</i>	-3.19	
05 15 16 00-0084			Flattened Strand Wire Rope, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0085	LF		5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	6.53	0.34
			<i>For <100, Add</i>	2.05	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.65	
05 15 16 00-0086	LF		3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	8.83	0.51
			<i>For <100, Add</i>	2.75	
			<i>For >500 To 1,000, Deduct</i>	-0.44	
			<i>For >1,000 To 2,000, Deduct</i>	-0.66	
			<i>For >2,000, Deduct</i>	-0.88	
05 15 16 00-0087	LF		7/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	11.18	0.68
			<i>For <100, Add</i>	3.44	
			<i>For >500 To 1,000, Deduct</i>	-0.56	
			<i>For >1,000 To 2,000, Deduct</i>	-0.84	
			<i>For >2,000, Deduct</i>	-1.12	
05 15 16 00-0088	LF		1" Diameter Flattened Strand Wire Rope IPS, Fiber Core	13.69	0.94
			<i>For <100, Add</i>	4.18	
			<i>For >500 To 1,000, Deduct</i>	-0.68	
			<i>For >1,000 To 2,000, Deduct</i>	-1.03	
			<i>For >2,000, Deduct</i>	-1.37	
05 15 16 00-0089	LF		1-1/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	16.59	1.19
			<i>For <100, Add</i>	5.02	
			<i>For >500 To 1,000, Deduct</i>	-0.83	
			<i>For >1,000 To 2,000, Deduct</i>	-1.24	
			<i>For >2,000, Deduct</i>	-1.66	
05 15 16 00-0090	LF		1-1/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	20.08	1.45
			<i>For <100, Add</i>	6.07	
			<i>For >500 To 1,000, Deduct</i>	-1.00	
			<i>For >1,000 To 2,000, Deduct</i>	-1.51	
			<i>For >2,000, Deduct</i>	-2.01	
05 15 16 00-0091	LF		1-3/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	24.22	1.70
			<i>For <100, Add</i>	7.32	
			<i>For >500 To 1,000, Deduct</i>	-1.21	
			<i>For >1,000 To 2,000, Deduct</i>	-1.82	
			<i>For >2,000, Deduct</i>	-2.42	
05 15 16 00-0092	LF		1-1/2" Diameter Flattened Strand Wire Rope IPS, Fiber Core	29.68	2.13
			<i>For <100, Add</i>	9.00	
			<i>For >500 To 1,000, Deduct</i>	-1.48	
			<i>For >1,000 To 2,000, Deduct</i>	-2.23	
			<i>For >2,000, Deduct</i>	-2.97	
05 15 16 00-0093	LF		1-5/8" Diameter Flattened Strand Wire Rope IPS, Fiber Core	35.42	2.47
			<i>For <100, Add</i>	10.78	
			<i>For >500 To 1,000, Deduct</i>	-1.77	
			<i>For >1,000 To 2,000, Deduct</i>	-2.66	
			<i>For >2,000, Deduct</i>	-3.54	
05 15 16 00-0094	LF		1-3/4" Diameter Flattened Strand Wire Rope IPS, Fiber Core	45.43	3.96
			<i>For <100, Add</i>	13.28	
			<i>For >500 To 1,000, Deduct</i>	-2.27	
			<i>For >1,000 To 2,000, Deduct</i>	-3.41	
			<i>For >2,000, Deduct</i>	-4.54	
05 15 16 00-0095			Flattened Strand Wire Rope, XIP, IWRC <small>(05 15 16)</small>		
05 15 16 00-0096	LF		5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	6.59	0.34
			<i>For <100, Add</i>	2.05	
			<i>For >500 To 1,000, Deduct</i>	-0.33	
			<i>For >1,000 To 2,000, Deduct</i>	-0.49	
			<i>For >2,000, Deduct</i>	-0.66	
05 15 16 00-0097	LF		3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC	8.91	0.59
			<i>For <100, Add</i>	2.76	
			<i>For >500 To 1,000, Deduct</i>	-0.45	
			<i>For >1,000 To 2,000, Deduct</i>	-0.67	
			<i>For >2,000, Deduct</i>	-0.89	
05 15 16 00-0098	LF		7/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	11.30	0.76
			<i>For <100, Add</i>	3.46	
			<i>For >500 To 1,000, Deduct</i>	-0.57	
			<i>For >1,000 To 2,000, Deduct</i>	-0.85	
			<i>For >2,000, Deduct</i>	-1.13	
05 15 16 00-0099	LF		1" Diameter Flattened Strand Wire Rope XIPS, IWRC	13.84	0.94
			<i>For <100, Add</i>	4.20	
			<i>For >500 To 1,000, Deduct</i>	-0.69	
			<i>For >1,000 To 2,000, Deduct</i>	-1.04	
			<i>For >2,000, Deduct</i>	-1.38	
05 15 16 00-0100	LF		1-1/8" Diameter Flattened Strand Wire Rope XIPS, IWRC	16.75	1.19
			<i>For <100, Add</i>	5.05	
			<i>For >500 To 1,000, Deduct</i>	-0.84	
			<i>For >1,000 To 2,000, Deduct</i>	-1.26	
			<i>For >2,000, Deduct</i>	-1.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0101 LF 1-1/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	20.32	1.53
For <100, Add	6.10	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,000, Deduct	-1.52	
For >2,000, Deduct	-2.03	
05 15 16 00-0102 LF 1-3/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	24.52	1.87
For <100, Add	7.37	
For >500 To 1,000, Deduct	-1.23	
For >1,000 To 2,000, Deduct	-1.84	
For >2,000, Deduct	-2.45	
05 15 16 00-0103 LF 1-1/2" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	29.97	2.21
For <100, Add	9.04	
For >500 To 1,000, Deduct	-1.50	
For >1,000 To 2,000, Deduct	-2.25	
For >2,000, Deduct	-3.00	
05 15 16 00-0104 LF 1-5/8" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	39.33	3.61
For <100, Add	11.36	
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 2,000, Deduct	-2.95	
For >2,000, Deduct	-3.93	
05 15 16 00-0105 LF 1-3/4" Diameter Flattened Strand Wire Rope XIPS, IWRC.....	46.74	4.32
For <100, Add	13.48	
For >500 To 1,000, Deduct	-2.34	
For >1,000 To 2,000, Deduct	-3.51	
For >2,000, Deduct	-4.67	
05 15 16 00-0106 5x19 Coated Wire Rope, Bright, IPS, Fiber Core <small>(05 15 16)</small>		
05 15 16 00-0107 LF 9/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	4.79	0.08
For <100, Add	1.60	
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 2,000, Deduct	-0.36	
For >2,000, Deduct	-0.48	
05 15 16 00-0108 LF 5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.38	0.17
For <100, Add	1.79	
For >500 To 1,000, Deduct	-0.27	
For >1,000 To 2,000, Deduct	-0.40	
For >2,000, Deduct	-0.54	
05 15 16 00-0109 LF 11/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	5.85	0.17
For <100, Add	1.92	
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 2,000, Deduct	-0.44	
For >2,000, Deduct	-0.59	
05 15 16 00-0110 LF 3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	6.48	0.17
For <100, Add	2.13	
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 2,000, Deduct	-0.49	
For >2,000, Deduct	-0.65	
05 15 16 00-0111 LF 13/16" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.17	0.25
For <100, Add	2.33	
For >500 To 1,000, Deduct	-0.36	
For >1,000 To 2,000, Deduct	-0.54	
For >2,000, Deduct	-0.72	
05 15 16 00-0112 LF 7/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	7.80	0.34
For <100, Add	2.52	
For >500 To 1,000, Deduct	-0.39	
For >1,000 To 2,000, Deduct	-0.59	
For >2,000, Deduct	-0.78	
05 15 16 00-0113 LF 1" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	9.46	0.42
For <100, Add	3.03	
For >500 To 1,000, Deduct	-0.47	
For >1,000 To 2,000, Deduct	-0.71	
For >2,000, Deduct	-0.95	
05 15 16 00-0114 LF 1-1/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	11.62	0.59
For <100, Add	3.69	
For >500 To 1,000, Deduct	-0.58	
For >1,000 To 2,000, Deduct	-0.87	
For >2,000, Deduct	-1.16	
05 15 16 00-0115 LF 1-1/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	13.69	0.68
For <100, Add	4.34	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.03	
For >2,000, Deduct	-1.37	
05 15 16 00-0116 LF 1-3/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	16.37	0.86
For <100, Add	5.15	
For >500 To 1,000, Deduct	-0.82	
For >1,000 To 2,000, Deduct	-1.23	
For >2,000, Deduct	-1.64	
05 15 16 00-0117 LF 1-1/2" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire	19.21	1.11
For <100, Add	6.01	
For >500 To 1,000, Deduct	-0.96	
For >1,000 To 2,000, Deduct	-1.44	
For >2,000, Deduct	-1.92	

05 Metals

05 10 Structural Metal Framing

05 15 Wire Rope Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0118	LF		1-5/8" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	22.62	1.36
			<i>For <100, Add</i>	7.03	
			<i>For >500 To 1,000, Deduct</i>	-1.13	
			<i>For >1,000 To 2,000, Deduct</i>	-1.70	
			<i>For >2,000, Deduct</i>	-2.26	
05 15 16 00-0119	LF		1-3/4" Diameter 5x19 Bright, Coated Wire Rope IPS, Fiber Core With 1/4" Wire.....	27.02	1.62
			<i>For <100, Add</i>	8.39	
			<i>For >500 To 1,000, Deduct</i>	-1.35	
			<i>For >1,000 To 2,000, Deduct</i>	-2.03	
			<i>For >2,000, Deduct</i>	-2.70	
05 15 16 00-0120			19x7 Rotation Resistant Wire Rope, IPS <small>(05 15 16)</small>		
05 15 16 00-0121	LF		3/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.45	0.08
			<i>For <100, Add</i>	0.47	
			<i>For >500 To 1,000, Deduct</i>	-0.07	
			<i>For >1,000 To 2,000, Deduct</i>	-0.11	
			<i>For >2,000, Deduct</i>	-0.15	
05 15 16 00-0122	LF		1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	1.71	0.08
			<i>For <100, Add</i>	0.56	
			<i>For >500 To 1,000, Deduct</i>	-0.09	
			<i>For >1,000 To 2,000, Deduct</i>	-0.13	
			<i>For >2,000, Deduct</i>	-0.17	
05 15 16 00-0123	LF		5/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.15	0.08
			<i>For <100, Add</i>	0.69	
			<i>For >500 To 1,000, Deduct</i>	-0.11	
			<i>For >1,000 To 2,000, Deduct</i>	-0.16	
			<i>For >2,000, Deduct</i>	-0.22	
05 15 16 00-0124	LF		3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.40	0.17
			<i>For <100, Add</i>	0.76	
			<i>For >500 To 1,000, Deduct</i>	-0.12	
			<i>For >1,000 To 2,000, Deduct</i>	-0.18	
			<i>For >2,000, Deduct</i>	-0.24	
05 15 16 00-0125	LF		7/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	2.82	0.17
			<i>For <100, Add</i>	0.87	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000 To 2,000, Deduct</i>	-0.21	
			<i>For >2,000, Deduct</i>	-0.28	
05 15 16 00-0126	LF		1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.05	0.17
			<i>For <100, Add</i>	0.95	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000 To 2,000, Deduct</i>	-0.23	
			<i>For >2,000, Deduct</i>	-0.31	
05 15 16 00-0127	LF		9/16" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	3.73	0.34
			<i>For <100, Add</i>	1.11	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 2,000, Deduct</i>	-0.28	
			<i>For >2,000, Deduct</i>	-0.37	
05 15 16 00-0128	LF		5/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	4.44	0.34
			<i>For <100, Add</i>	1.31	
			<i>For >500 To 1,000, Deduct</i>	-0.22	
			<i>For >1,000 To 2,000, Deduct</i>	-0.33	
			<i>For >2,000, Deduct</i>	-0.44	
05 15 16 00-0129	LF		3/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	6.46	0.51
			<i>For <100, Add</i>	1.91	
			<i>For >500 To 1,000, Deduct</i>	-0.32	
			<i>For >1,000 To 2,000, Deduct</i>	-0.48	
			<i>For >2,000, Deduct</i>	-0.65	
05 15 16 00-0130	LF		7/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	8.40	0.68
			<i>For <100, Add</i>	2.47	
			<i>For >500 To 1,000, Deduct</i>	-0.42	
			<i>For >1,000 To 2,000, Deduct</i>	-0.63	
			<i>For >2,000, Deduct</i>	-0.84	
05 15 16 00-0131	LF		1" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	10.50	0.94
			<i>For <100, Add</i>	3.06	
			<i>For >500 To 1,000, Deduct</i>	-0.53	
			<i>For >1,000 To 2,000, Deduct</i>	-0.79	
			<i>For >2,000, Deduct</i>	-1.05	
05 15 16 00-0132	LF		1-1/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	12.87	1.19
			<i>For <100, Add</i>	3.71	
			<i>For >500 To 1,000, Deduct</i>	-0.64	
			<i>For >1,000 To 2,000, Deduct</i>	-0.97	
			<i>For >2,000, Deduct</i>	-1.29	
05 15 16 00-0133	LF		1-1/4" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	15.53	1.45
			<i>For <100, Add</i>	4.46	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000 To 2,000, Deduct</i>	-1.16	
			<i>For >2,000, Deduct</i>	-1.55	
05 15 16 00-0134	LF		1-3/8" Diameter 19x7 Rotation Resistant Wire Rope IPS.....	18.42	1.79
			<i>For <100, Add</i>	5.27	
			<i>For >500 To 1,000, Deduct</i>	-0.92	
			<i>For >1,000 To 2,000, Deduct</i>	-1.38	
			<i>For >2,000, Deduct</i>	-1.84	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0135	LF			1-1/2" Diameter 19x7 Rotation Resistant Wire Rope IPS	21.38	2.13
				<i>For <100, Add</i>	6.09	
				<i>For >500 To 1,000, Deduct</i>	-1.07	
				<i>For >1,000 To 2,000, Deduct</i>	-1.60	
				<i>For >2,000, Deduct</i>	-2.14	
05 15 16 00-0136				8x19 Class Bright, Rotation Resistant, XIPS, IWRC <small>(05 15 16)</small>		
05 15 16 00-0137	LF			3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	2.55	0.17
				<i>For <100, Add</i>	0.80	
				<i>For >500 To 1,000, Deduct</i>	-0.13	
				<i>For >1,000 To 2,000, Deduct</i>	-0.19	
				<i>For >2,000, Deduct</i>	-0.26	
05 15 16 00-0138	LF			7/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	3.00	0.17
				<i>For <100, Add</i>	0.93	
				<i>For >500 To 1,000, Deduct</i>	-0.15	
				<i>For >1,000 To 2,000, Deduct</i>	-0.23	
				<i>For >2,000, Deduct</i>	-0.30	
05 15 16 00-0139	LF			1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	3.46	0.25
				<i>For <100, Add</i>	1.05	
				<i>For >500 To 1,000, Deduct</i>	-0.17	
				<i>For >1,000 To 2,000, Deduct</i>	-0.26	
				<i>For >2,000, Deduct</i>	-0.35	
05 15 16 00-0140	LF			9/16" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	4.06	0.34
				<i>For <100, Add</i>	1.22	
				<i>For >500 To 1,000, Deduct</i>	-0.20	
				<i>For >1,000 To 2,000, Deduct</i>	-0.30	
				<i>For >2,000, Deduct</i>	-0.41	
05 15 16 00-0141	LF			5/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	4.73	0.34
				<i>For <100, Add</i>	1.41	
				<i>For >500 To 1,000, Deduct</i>	-0.24	
				<i>For >1,000 To 2,000, Deduct</i>	-0.35	
				<i>For >2,000, Deduct</i>	-0.47	
05 15 16 00-0142	LF			3/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	6.69	0.59
				<i>For <100, Add</i>	1.98	
				<i>For >500 To 1,000, Deduct</i>	-0.33	
				<i>For >1,000 To 2,000, Deduct</i>	-0.50	
				<i>For >2,000, Deduct</i>	-0.67	
05 15 16 00-0143	LF			7/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	8.84	0.68
				<i>For <100, Add</i>	2.60	
				<i>For >500 To 1,000, Deduct</i>	-0.44	
				<i>For >1,000 To 2,000, Deduct</i>	-0.66	
				<i>For >2,000, Deduct</i>	-0.88	
05 15 16 00-0144	LF			1" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	11.09	0.94
				<i>For <100, Add</i>	3.24	
				<i>For >500 To 1,000, Deduct</i>	-0.55	
				<i>For >1,000 To 2,000, Deduct</i>	-0.83	
				<i>For >2,000, Deduct</i>	-1.11	
05 15 16 00-0145	LF			1-1/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	13.54	1.19
				<i>For <100, Add</i>	3.93	
				<i>For >500 To 1,000, Deduct</i>	-0.68	
				<i>For >1,000 To 2,000, Deduct</i>	-1.02	
				<i>For >2,000, Deduct</i>	-1.35	
05 15 16 00-0146	LF			1-1/4" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	16.18	1.45
				<i>For <100, Add</i>	4.66	
				<i>For >500 To 1,000, Deduct</i>	-0.81	
				<i>For >1,000 To 2,000, Deduct</i>	-1.21	
				<i>For >2,000, Deduct</i>	-1.62	
05 15 16 00-0147	LF			1-3/8" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	19.54	1.87
				<i>For <100, Add</i>	5.62	
				<i>For >500 To 1,000, Deduct</i>	-0.98	
				<i>For >1,000 To 2,000, Deduct</i>	-1.47	
				<i>For >2,000, Deduct</i>	-1.95	
05 15 16 00-0148	LF			1-1/2" Diameter 8x19 Rotation Resistant Wire Rope XIPS, IWRC, Class Bright	23.36	2.21
				<i>For <100, Add</i>	6.69	
				<i>For >500 To 1,000, Deduct</i>	-1.17	
				<i>For >1,000 To 2,000, Deduct</i>	-1.75	
				<i>For >2,000, Deduct</i>	-2.34	
05 15 16 00-0149				Heavy Duty Galvanized Wire Rope Thimbles <small>(05 15 16)</small>		
05 15 16 00-0150	EA			1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.35	2.56
05 15 16 00-0151	EA			5/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	9.89	2.56
05 15 16 00-0152	EA			3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	10.50	2.56
05 15 16 00-0153	EA			7/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.00	2.56
05 15 16 00-0154	EA			1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.09	2.56
05 15 16 00-0155	EA			9/16" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.09	2.56
05 15 16 00-0156	EA			5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	12.60	2.56
05 15 16 00-0157	EA			3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	21.56	3.92
05 15 16 00-0158	EA			7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	25.77	4.77
05 15 16 00-0159	EA			1" Diameter Heavy Duty Galvanized Wire Rope Thimbles	44.27	7.84
05 15 16 00-0160	EA			1-1/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	62.35	10.65
05 15 16 00-0161	EA			1-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	64.68	10.65
05 15 16 00-0162	EA			1-3/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	129.71	22.24
05 15 16 00-0163	EA			1-1/2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	185.86	31.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0164 EA 1-5/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	277.69	35.77
05 15 16 00-0165 EA 1-3/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	327.68	42.59
05 15 16 00-0166 EA 1-7/8" Diameter Heavy Duty Galvanized Wire Rope Thimbles	429.90	53.66
05 15 16 00-0167 EA 2" Diameter Heavy Duty Galvanized Wire Rope Thimbles	448.79	53.66
05 15 16 00-0168 EA 2-1/4" Diameter Heavy Duty Galvanized Wire Rope Thimbles	645.99	85.19
05 15 16 00-0169 Galvanized Wire Rope Clips (05 15 16)		
05 15 16 00-0170 EA 1/8" Diameter Galvanized Wire Rope Clips	11.10	2.56
05 15 16 00-0171 EA 3/16" Diameter Galvanized Wire Rope Clips	11.30	2.56
05 15 16 00-0172 EA 1/4" Diameter Galvanized Wire Rope Clips	12.44	2.56
05 15 16 00-0173 EA 5/16" Diameter Galvanized Wire Rope Clips	12.57	2.56
05 15 16 00-0174 EA 3/8" Diameter Galvanized Wire Rope Clips	12.86	2.56
05 15 16 00-0175 EA 7/16" Diameter Galvanized Wire Rope Clips	15.41	2.56
05 15 16 00-0176 EA 1/2" Diameter Galvanized Wire Rope Clips	15.41	2.56
05 15 16 00-0177 EA 9/16" Diameter Galvanized Wire Rope Clips	17.55	2.56
05 15 16 00-0178 EA 5/8" Diameter Galvanized Wire Rope Clips	17.55	2.56
05 15 16 00-0179 EA 3/4" Diameter Galvanized Wire Rope Clips	24.50	3.40
05 15 16 00-0180 EA 7/8" Diameter Galvanized Wire Rope Clips	37.08	5.11
05 15 16 00-0181 EA 1" Diameter Galvanized Wire Rope Clips	40.09	5.11
05 15 16 00-0182 EA 1-1/8" Diameter Galvanized Wire Rope Clips	48.04	6.81
05 15 16 00-0183 EA 1-1/4" Diameter Galvanized Wire Rope Clips	70.44	10.23
05 15 16 00-0184 EA 1-3/8" Diameter Galvanized Wire Rope Clips	85.16	11.07
05 15 16 00-0185 EA 1-1/2" Diameter Galvanized Wire Rope Clips	93.20	12.77
05 15 16 00-0186 EA 1-5/8" Diameter Galvanized Wire Rope Clips	136.61	16.19
05 15 16 00-0187 EA 1-3/4" Diameter Galvanized Wire Rope Clips	181.92	21.30
05 15 16 00-0188 EA 2" Diameter Galvanized Wire Rope Clips	221.69	28.11
05 15 16 00-0189 EA 2-1/4" Diameter Galvanized Wire Rope Clips	296.71	35.77
05 15 16 00-0190 EA 2-1/2" Diameter Galvanized Wire Rope Clips	330.06	39.19
05 15 16 00-0191 EA 2-3/4" Diameter Galvanized Wire Rope Clips	470.16	47.70
05 15 16 00-0192 EA 3" Diameter Galvanized Wire Rope Clips	630.07	70.70
05 15 16 00-0193 Open Swage Sockets (05 15 16)		
05 15 16 00-0194 EA 1/4" Diameter Open Swage Sockets	50.57	2.56
05 15 16 00-0195 EA 5/16" Diameter Open Swage Sockets	61.93	2.56
05 15 16 00-0196 EA 3/8" Diameter Open Swage Sockets	65.31	3.40
05 15 16 00-0197 EA 7/16" Diameter Open Swage Sockets	78.88	4.26
05 15 16 00-0198 EA 1/2" Diameter Open Swage Sockets	78.88	4.26
05 15 16 00-0199 EA 9/16" Diameter Open Swage Sockets	121.74	9.37
05 15 16 00-0200 EA 5/8" Diameter Open Swage Sockets	121.74	9.37
05 15 16 00-0201 EA 3/4" Diameter Open Swage Sockets	165.83	17.89
05 15 16 00-0202 EA 7/8" Diameter Open Swage Sockets	225.37	25.56
05 15 16 00-0203 EA 1" Diameter Open Swage Sockets	323.23	39.19
05 15 16 00-0204 EA 1-1/8" Diameter Open Swage Sockets	444.86	61.33
05 15 16 00-0205 EA 1-1/4" Diameter Open Swage Sockets	518.76	70.70
05 15 16 00-0206 EA 1-3/8" Diameter Open Swage Sockets	694.88	93.70
05 15 16 00-0207 EA 1-1/2" Diameter Open Swage Sockets	1,001.00	119.26
05 15 16 00-0208 EA 1-3/4" Diameter Open Swage Sockets	1,481.31	144.81
05 15 16 00-0209 EA 2" Diameter Open Swage Sockets	2,516.49	281.10
05 15 16 00-0210 Closed Swage Sockets (05 15 16)		
05 15 16 00-0211 EA 1/4" Diameter Closed Swage Sockets	33.05	2.56
05 15 16 00-0212 EA 5/16" Diameter Closed Swage Sockets	43.33	2.56
05 15 16 00-0213 EA 3/8" Diameter Closed Swage Sockets	51.08	2.56
05 15 16 00-0214 EA 7/16" Diameter Closed Swage Sockets	54.73	3.40
05 15 16 00-0215 EA 1/2" Diameter Closed Swage Sockets	60.36	3.40
05 15 16 00-0216 EA 9/16" Diameter Closed Swage Sockets	79.22	5.96
05 15 16 00-0217 EA 5/8" Diameter Closed Swage Sockets	83.28	6.81
05 15 16 00-0218 EA 3/4" Diameter Closed Swage Sockets	106.81	11.07
05 15 16 00-0219 EA 7/8" Diameter Closed Swage Sockets	142.00	16.19
05 15 16 00-0220 EA 1" Diameter Closed Swage Sockets	203.12	22.14
05 15 16 00-0221 EA 1-1/8" Diameter Closed Swage Sockets	256.49	30.67
05 15 16 00-0222 EA 1-1/4" Diameter Closed Swage Sockets	359.06	47.70
05 15 16 00-0223 EA 1-3/8" Diameter Closed Swage Sockets	470.44	61.33
05 15 16 00-0224 EA 1-1/2" Diameter Closed Swage Sockets	648.58	85.19
05 15 16 00-0225 EA 1-3/4" Diameter Closed Swage Sockets	880.29	110.73
05 15 16 00-0226 EA 2" Diameter Closed Swage Sockets	1,566.71	170.36
05 15 16 00-0227 Open Spelter Sockets Galvanized (05 15 16)		
05 15 16 00-0228 EA 1/4" Open Spelter Sockets, Galvanized	47.04	2.56
05 15 16 00-0229 EA 5/16" Open Spelter Sockets, Galvanized	49.84	2.56
05 15 16 00-0230 EA 3/8" Open Spelter Sockets, Galvanized	54.10	2.56
05 15 16 00-0231 EA 7/16" Open Spelter Sockets, Galvanized	60.20	5.11
05 15 16 00-0232 EA 1/2" Open Spelter Sockets, Galvanized	64.70	5.11
05 15 16 00-0233 EA 9/16" Open Spelter Sockets, Galvanized	84.40	8.52
05 15 16 00-0234 EA 5/8" Open Spelter Sockets, Galvanized	89.92	8.52
05 15 16 00-0235 EA 3/4" Open Spelter Sockets, Galvanized	112.59	12.77



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				05 15 16 00-0236 EA 7/8" Open Spelter Sockets, Galvanized.....	173.35	21.30
				05 15 16 00-0237 EA 1" Open Spelter Sockets, Galvanized.....	299.06	33.22
				05 15 16 00-0238 EA 1-1/8" Open Spelter Sockets, Galvanized.....	390.09	53.66
				05 15 16 00-0239 EA 1-1/4" Open Spelter Sockets, Galvanized.....	523.95	70.70
				05 15 16 00-0240 EA 1-3/8" Open Spelter Sockets, Galvanized.....	550.43	70.70
				05 15 16 00-0241 EA 1-1/2" Open Spelter Sockets, Galvanized.....	889.00	93.70
				05 15 16 00-0242 EA 1-5/8" Open Spelter Sockets, Galvanized.....	1,061.18	119.26
				05 15 16 00-0243 EA 1-3/4" Open Spelter Sockets, Galvanized.....	1,606.37	187.40
				05 15 16 00-0244 EA 1-7/8" Open Spelter Sockets, Galvanized.....	1,701.42	187.40
				05 15 16 00-0245 EA 2" Open Spelter Sockets, Galvanized.....	2,135.81	281.10
				05 15 16 00-0246 EA 2-1/8" Open Spelter Sockets, Galvanized.....	2,245.16	281.10
				05 15 16 00-0247 EA 2-1/2" Open Spelter Sockets, Galvanized.....	2,773.37	357.77
				05 15 16 00-0248 EA 2-3/8" Open Spelter Sockets, Galvanized.....	2,922.38	357.77
05 15 16 00-0249				Closed Spelter Sockets Galvanized <small>(05 15 16)</small>		
				05 15 16 00-0250 EA 1/4" Closed Spelter Sockets, Galvanized.....	40.24	2.56
				05 15 16 00-0251 EA 5/16" Closed Spelter Sockets, Galvanized.....	40.68	2.56
				05 15 16 00-0252 EA 3/8" Closed Spelter Sockets, Galvanized.....	44.18	2.56
				05 15 16 00-0253 EA 7/16" Closed Spelter Sockets, Galvanized.....	49.21	4.26
				05 15 16 00-0254 EA 1/2" Closed Spelter Sockets, Galvanized.....	52.90	4.26
				05 15 16 00-0255 EA 9/16" Closed Spelter Sockets, Galvanized.....	73.94	7.67
				05 15 16 00-0256 EA 5/8" Closed Spelter Sockets, Galvanized.....	78.87	7.67
				05 15 16 00-0257 EA 3/4" Closed Spelter Sockets, Galvanized.....	96.12	11.07
				05 15 16 00-0258 EA 7/8" Closed Spelter Sockets, Galvanized.....	142.31	17.04
				05 15 16 00-0259 EA 1" Closed Spelter Sockets, Galvanized.....	216.75	26.40
				05 15 16 00-0260 EA 1-1/8" Closed Spelter Sockets, Galvanized.....	302.46	35.77
				05 15 16 00-0261 EA 1-1/4" Closed Spelter Sockets, Galvanized.....	365.79	47.70
				05 15 16 00-0262 EA 1-3/8" Closed Spelter Sockets, Galvanized.....	385.35	47.70
				05 15 16 00-0263 EA 1-1/2" Closed Spelter Sockets, Galvanized.....	622.59	61.33
				05 15 16 00-0264 EA 1-5/8" Closed Spelter Sockets, Galvanized.....	738.57	77.52
				05 15 16 00-0265 EA 1-3/4" Closed Spelter Sockets, Galvanized.....	979.59	119.26
				05 15 16 00-0266 EA 1-7/8" Closed Spelter Sockets, Galvanized.....	1,034.61	119.26
				05 15 16 00-0267 EA 2" Closed Spelter Sockets, Galvanized.....	1,289.49	170.36
				05 15 16 00-0268 EA 2-1/8" Closed Spelter Sockets, Galvanized.....	1,356.49	170.36
				05 15 16 00-0269 EA 2-1/2" Closed Spelter Sockets, Galvanized.....	1,671.11	229.99
				05 15 16 00-0270 EA 2-3/8" Closed Spelter Sockets, Galvanized.....	2,018.34	229.99
05 15 16 00-0271				Jaw And Jaw, Forged Steel Turnbuckles <small>(05 15 16)</small>		
				05 15 16 00-0272 EA 1/4" x 4", Jaw And Jaw, Forged Steel Turnbuckle.....	17.12	2.56
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.29	
				05 15 16 00-0273 EA 5/16" x 4-1/2", Jaw And Jaw, Forged Steel Turnbuckle.....	18.65	2.56
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-1.52	
				05 15 16 00-0274 EA 3/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	24.51	2.56
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.40	
				05 15 16 00-0275 EA 1/2" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	33.49	3.40
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-2.88	
				05 15 16 00-0276 EA 1/2" x 9", Jaw And Jaw, Forged Steel Turnbuckle.....	38.19	4.26
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-3.07	
				05 15 16 00-0277 EA 1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	50.50	5.11
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.50	
				05 15 16 00-0278 EA 5/8" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	58.87	6.81
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-4.90	
				05 15 16 00-0279 EA 5/8" x 9", Jaw And Jaw, Forged Steel Turnbuckle.....	72.26	6.81
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.58	
				05 15 16 00-0280 EA 5/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	69.35	7.67
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.84	
				05 15 16 00-0281 EA 3/4" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	76.08	9.37
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-5.97	
				05 15 16 00-0282 EA 3/4" x 9", Jaw And Jaw, Forged Steel Turnbuckle.....	90.02	11.07
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-6.78	
				05 15 16 00-0283 EA 3/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	97.27	11.93
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-7.29	
				05 15 16 00-0284 EA 3/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle.....	121.82	14.48
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-9.46	
				05 15 16 00-0285 EA 7/8" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	184.61	20.44
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.52	
				05 15 16 00-0286 EA 7/8" x 18", Jaw And Jaw, Forged Steel Turnbuckle.....	216.75	23.86
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-18.32	
				05 15 16 00-0287 EA 1" x 6", Jaw And Jaw, Forged Steel Turnbuckle.....	193.45	20.44
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-16.85	
				05 15 16 00-0288 EA 1" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	222.03	26.40
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-17.33	
				05 15 16 00-0289 EA 1" x 18", Jaw And Jaw, Forged Steel Turnbuckle.....	275.13	33.22
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.61	
				05 15 16 00-0290 EA 1" x 24", Jaw And Jaw, Forged Steel Turnbuckle.....	437.94	39.19
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-42.46	
				05 15 16 00-0291 EA 1-1/4" x 12", Jaw And Jaw, Forged Steel Turnbuckle.....	386.27	47.70
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-29.55	
				05 15 16 00-0292 EA 1-1/4" x 18", Jaw And Jaw, Forged Steel Turnbuckle.....	454.20	53.66
				For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-36.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0293 EA 1-1/4" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	584.76 -51.21	61.33
05 15 16 00-0294 EA 1-1/2" x 12", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	616.56 -53.17	65.59
05 15 16 00-0295 EA 1-1/2" x 18", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	716.98 -56.44	85.19
05 15 16 00-0296 EA 1-1/2" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	962.77 -80.53	110.73
05 15 16 00-0297 EA 2" x 24", Jaw And Jaw, Forged Steel Turnbuckle <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	1,951.72 -164.99	212.95

05 15 16 00-0298 Drop Forged Shoulder Eye Bolts (05 15 16)

05 15 16 00-0299 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	10.01	
05 15 16 00-0300 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	10.31	
05 15 16 00-0301 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	10.45	
05 15 16 00-0302 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	13.92	
05 15 16 00-0303 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	14.07	
05 15 16 00-0304 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	17.53	
05 15 16 00-0305 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	20.43	
05 15 16 00-0306 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	26.65	
05 15 16 00-0307 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	34.06	
05 15 16 00-0308 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	50.54	
05 15 16 00-0309 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	64.98	
05 15 16 00-0310 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	107.17	
05 15 16 00-0311 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	147.13	
05 15 16 00-0312 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Drop Forged Shoulder Eye Bolt.....	197.41	

05 15 16 00-0313 Drop Forged Eye Bolts (05 15 16)

05 15 16 00-0314 EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	14.67	
05 15 16 00-0315 EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	16.09	
05 15 16 00-0316 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	13.56	
05 15 16 00-0317 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	16.69	
05 15 16 00-0318 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	14.93	
05 15 16 00-0319 EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	15.17	
05 15 16 00-0320 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	16.42	
05 15 16 00-0321 EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	17.34	
05 15 16 00-0322 EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	17.96	
05 15 16 00-0323 EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	18.53	
05 15 16 00-0324 EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	14.13	
05 15 16 00-0325 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	17.67	
05 15 16 00-0326 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	18.10	
05 15 16 00-0327 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	19.24	
05 15 16 00-0328 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	19.73	
05 15 16 00-0329 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	20.08	
05 15 16 00-0330 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	20.62	
05 15 16 00-0331 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	21.22	
05 15 16 00-0332 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	22.01	
05 15 16 00-0333 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	22.41	
05 15 16 00-0334 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	26.76	
05 15 16 00-0335 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	27.29	
05 15 16 00-0336 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	28.17	
05 15 16 00-0337 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	32.13	
05 15 16 00-0338 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	35.94	
05 15 16 00-0339 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	26.84	
05 15 16 00-0340 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	27.38	
05 15 16 00-0341 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	30.05	
05 15 16 00-0342 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	32.25	
05 15 16 00-0343 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	37.23	
05 15 16 00-0344 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Drop Forged Eye Bolt.....	48.65	

05 15 19 Stainless-Steel Wire Rope Assemblies (05 15)

05 15 19 00-0001 7x7 Class 304 Stainless Steel (05 15 19)

05 15 19 00-0002 LF 3/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.33	0.06
<i>For <100, Add</i>	0.09	
<i>For >500 To 1,000, Deduct</i>	-0.02	
<i>For >1,000 To 2,000, Deduct</i>	-0.02	
<i>For >2,000, Deduct</i>	-0.03	
<i>For 316 Stainless Steel, Add</i>	0.07	
05 15 19 00-0003 LF 1/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.38	0.06
<i>For <100, Add</i>	0.11	
<i>For >500 To 1,000, Deduct</i>	-0.02	
<i>For >1,000 To 2,000, Deduct</i>	-0.03	
<i>For >2,000, Deduct</i>	-0.04	
<i>For 316 Stainless Steel, Add</i>	0.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0004 LF 5/64" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.46	0.07
For <100, Add	0.14	
For >500 To 1,000, Deduct	-0.02	
For >1,000 To 2,000, Deduct	-0.03	
For >2,000, Deduct	-0.05	
For 316 Stainless Steel, Add	0.11	
05 15 19 00-0005 LF 3/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.55	0.07
For <100, Add	0.16	
For >500 To 1,000, Deduct	-0.03	
For >1,000 To 2,000, Deduct	-0.04	
For >2,000, Deduct	-0.06	
For 316 Stainless Steel, Add	0.14	
05 15 19 00-0006 LF 1/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	0.70	0.08
For <100, Add	0.21	
For >500 To 1,000, Deduct	-0.04	
For >1,000 To 2,000, Deduct	-0.05	
For >2,000, Deduct	-0.07	
For 316 Stainless Steel, Add	0.18	
05 15 19 00-0007 LF 5/32" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.10	0.08
For <100, Add	0.35	
For >500 To 1,000, Deduct	-0.06	
For >1,000 To 2,000, Deduct	-0.08	
For >2,000, Deduct	-0.11	
For 316 Stainless Steel, Add	0.31	
05 15 19 00-0008 LF 3/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.25	0.08
For <100, Add	0.40	
For >500 To 1,000, Deduct	-0.06	
For >1,000 To 2,000, Deduct	-0.09	
For >2,000, Deduct	-0.13	
For 316 Stainless Steel, Add	0.35	
05 15 19 00-0009 LF 1/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	1.71	0.08
For <100, Add	0.56	
For >500 To 1,000, Deduct	-0.09	
For >1,000 To 2,000, Deduct	-0.13	
For >2,000, Deduct	-0.17	
For 316 Stainless Steel, Add	0.51	
05 15 19 00-0010 LF 5/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.15	0.08
For <100, Add	0.70	
For >500 To 1,000, Deduct	-0.11	
For >1,000 To 2,000, Deduct	-0.16	
For >2,000, Deduct	-0.22	
For 316 Stainless Steel, Add	0.64	
05 15 19 00-0011 LF 3/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	2.70	0.08
For <100, Add	0.87	
For >500 To 1,000, Deduct	-0.14	
For >1,000 To 2,000, Deduct	-0.20	
For >2,000, Deduct	-0.27	
For 316 Stainless Steel, Add	0.80	
05 15 19 00-0012 LF 7/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.29	0.17
For <100, Add	1.05	
For >500 To 1,000, Deduct	-0.16	
For >1,000 To 2,000, Deduct	-0.25	
For >2,000, Deduct	-0.33	
For 316 Stainless Steel, Add	0.95	
05 15 19 00-0013 LF 1/2" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	3.83	0.17
For <100, Add	1.21	
For >500 To 1,000, Deduct	-0.19	
For >1,000 To 2,000, Deduct	-0.29	
For >2,000, Deduct	-0.38	
For 316 Stainless Steel, Add	1.08	
05 15 19 00-0014 LF 9/16" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	4.60	0.25
For <100, Add	1.44	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.35	
For >2,000, Deduct	-0.46	
For 316 Stainless Steel, Add	1.28	
05 15 19 00-0015 LF 5/8" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	5.24	0.34
For <100, Add	1.63	
For >500 To 1,000, Deduct	-0.26	
For >1,000 To 2,000, Deduct	-0.39	
For >2,000, Deduct	-0.52	
For 316 Stainless Steel, Add	1.44	
05 15 19 00-0016 LF 3/4" Diameter 7x7 Class 304 Stainless Steel Wire Rope.....	6.96	0.42
For <100, Add	2.15	
For >500 To 1,000, Deduct	-0.35	
For >1,000 To 2,000, Deduct	-0.52	
For >2,000, Deduct	-0.70	
For 316 Stainless Steel, Add	1.88	

05 15 19 00-0017 7x19 Class 304 Stainless Steel (05 15 19)

05 Metals**05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0018	LF		1/4" Diameter 7x19 Class 304 Stainless Steel Wire Rope.....	2.80	0.08
			<i>For <100, Add</i>	0.94	
			<i>For >500 To 1,000, Deduct</i>	-0.14	
			<i>For >1,000 To 2,000, Deduct</i>	-0.21	
			<i>For >2,000, Deduct</i>	-0.28	
			<i>For 316 Stainless Steel, Add</i>	0.88	
05 15 19 00-0019	LF		5/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	3.23	0.08
			<i>For <100, Add</i>	1.07	
			<i>For >500 To 1,000, Deduct</i>	-0.16	
			<i>For >1,000 To 2,000, Deduct</i>	-0.24	
			<i>For >2,000, Deduct</i>	-0.32	
			<i>For 316 Stainless Steel, Add</i>	1.00	
05 15 19 00-0020	LF		3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	3.82	0.17
			<i>For <100, Add</i>	1.25	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000 To 2,000, Deduct</i>	-0.29	
			<i>For >2,000, Deduct</i>	-0.38	
			<i>For 316 Stainless Steel, Add</i>	1.15	
05 15 19 00-0021	LF		7/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	4.43	0.17
			<i>For <100, Add</i>	1.43	
			<i>For >500 To 1,000, Deduct</i>	-0.22	
			<i>For >1,000 To 2,000, Deduct</i>	-0.33	
			<i>For >2,000, Deduct</i>	-0.44	
			<i>For 316 Stainless Steel, Add</i>	1.31	
05 15 19 00-0022	LF		1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.08	0.25
			<i>For <100, Add</i>	1.62	
			<i>For >500 To 1,000, Deduct</i>	-0.25	
			<i>For >1,000 To 2,000, Deduct</i>	-0.38	
			<i>For >2,000, Deduct</i>	-0.51	
			<i>For 316 Stainless Steel, Add</i>	1.46	
05 15 19 00-0023	LF		9/16" Diameter 7x19 Class Stainless Steel Wire Rope.....	5.96	0.34
			<i>For <100, Add</i>	1.88	
			<i>For >500 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000 To 2,000, Deduct</i>	-0.45	
			<i>For >2,000, Deduct</i>	-0.60	
			<i>For 316 Stainless Steel, Add</i>	1.68	
05 15 19 00-0024	LF		5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	6.77	0.34
			<i>For <100, Add</i>	2.12	
			<i>For >500 To 1,000, Deduct</i>	-0.34	
			<i>For >1,000 To 2,000, Deduct</i>	-0.51	
			<i>For >2,000, Deduct</i>	-0.68	
			<i>For 316 Stainless Steel, Add</i>	1.88	
05 15 19 00-0025	LF		3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	9.53	0.59
			<i>For <100, Add</i>	2.98	
			<i>For >500 To 1,000, Deduct</i>	-0.48	
			<i>For >1,000 To 2,000, Deduct</i>	-0.71	
			<i>For >2,000, Deduct</i>	-0.95	
			<i>For 316 Stainless Steel, Add</i>	2.63	
05 15 19 00-0026	LF		7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	12.53	0.68
			<i>For <100, Add</i>	3.90	
			<i>For >500 To 1,000, Deduct</i>	-0.63	
			<i>For >1,000 To 2,000, Deduct</i>	-0.94	
			<i>For >2,000, Deduct</i>	-1.25	
			<i>For 316 Stainless Steel, Add</i>	3.43	
05 15 19 00-0027	LF		1" Diameter 7x19 Class Stainless Steel Wire Rope.....	15.64	0.94
			<i>For <100, Add</i>	4.83	
			<i>For >500 To 1,000, Deduct</i>	-0.78	
			<i>For >1,000 To 2,000, Deduct</i>	-1.17	
			<i>For >2,000, Deduct</i>	-1.56	
			<i>For 316 Stainless Steel, Add</i>	4.23	
05 15 19 00-0028	LF		1-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	19.34	1.19
			<i>For <100, Add</i>	5.97	
			<i>For >500 To 1,000, Deduct</i>	-0.97	
			<i>For >1,000 To 2,000, Deduct</i>	-1.45	
			<i>For >2,000, Deduct</i>	-1.93	
			<i>For 316 Stainless Steel, Add</i>	5.22	
05 15 19 00-0029	LF		1-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	22.96	1.45
			<i>For <100, Add</i>	7.06	
			<i>For >500 To 1,000, Deduct</i>	-1.15	
			<i>For >1,000 To 2,000, Deduct</i>	-1.72	
			<i>For >2,000, Deduct</i>	-2.30	
			<i>For 316 Stainless Steel, Add</i>	6.15	
05 15 19 00-0030	LF		1-3/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	27.78	1.79
			<i>For <100, Add</i>	8.53	
			<i>For >500 To 1,000, Deduct</i>	-1.39	
			<i>For >1,000 To 2,000, Deduct</i>	-2.08	
			<i>For >2,000, Deduct</i>	-2.78	
			<i>For 316 Stainless Steel, Add</i>	7.41	
05 15 19 00-0031	LF		1-1/2" Diameter 7x19 Class Stainless Steel Wire Rope.....	32.93	2.13
			<i>For <100, Add</i>	10.11	
			<i>For >500 To 1,000, Deduct</i>	-1.65	
			<i>For >1,000 To 2,000, Deduct</i>	-2.47	
			<i>For >2,000, Deduct</i>	-3.29	
			<i>For 316 Stainless Steel, Add</i>	8.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0032 LF 1-5/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	39.34	2.47
For <100, Add	12.11	
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 2,000, Deduct	-2.95	
For >2,000, Deduct	-3.93	
For 316 Stainless Steel, Add	10.55	
05 15 19 00-0033 LF 1-3/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	50.09	4.14
For <100, Add	14.80	
For >500 To 1,000, Deduct	-2.50	
For >1,000 To 2,000, Deduct	-3.76	
For >2,000, Deduct	-5.01	
For 316 Stainless Steel, Add	12.39	
05 15 19 00-0034 LF 1-7/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	57.57	4.69
For <100, Add	17.02	
For >500 To 1,000, Deduct	-2.88	
For >1,000 To 2,000, Deduct	-4.32	
For >2,000, Deduct	-5.76	
For 316 Stainless Steel, Add	14.25	
05 15 19 00-0035 LF 2" Diameter 7x19 Class Stainless Steel Wire Rope.....	66.11	5.41
For <100, Add	19.53	
For >500 To 1,000, Deduct	-3.31	
For >1,000 To 2,000, Deduct	-4.96	
For >2,000, Deduct	-6.61	
For 316 Stainless Steel, Add	16.35	
05 15 19 00-0036 LF 2-1/8" Diameter 7x19 Class Stainless Steel Wire Rope.....	74.75	6.04
For <100, Add	22.16	
For >500 To 1,000, Deduct	-3.74	
For >1,000 To 2,000, Deduct	-5.61	
For >2,000, Deduct	-7.48	
For 316 Stainless Steel, Add	18.60	
05 15 19 00-0037 LF 2-1/4" Diameter 7x19 Class Stainless Steel Wire Rope.....	84.92	6.76
For <100, Add	25.22	
For >500 To 1,000, Deduct	-4.25	
For >1,000 To 2,000, Deduct	-6.37	
For >2,000, Deduct	-8.49	
For 316 Stainless Steel, Add	21.21	

05 40 Cold-Formed Metal Framing ⁽⁰⁵⁾

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing ^(05 40)

Note: Includes all necessary framing studs, bridging, fasteners necessary to attach to floors, walls, ceilings and a metal stiffener at half height. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Framing ^(05 41)

05 41 00 00-0002 SF 2-1/2" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	2.74	0.68
For Walls >10' High, Add	0.55	
For Curved Wall, Add	0.48	
For Up To 200, Add	0.87	
For >200 To 500, Add	0.43	
For 12" On Center, Add	0.47	
For 24" On Center, Deduct	-0.47	
05 41 00 00-0003 SF 3-5/8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.52	0.68
For Walls >10' High, Add	0.70	
For Curved Wall, Add	0.50	
For Up To 200, Add	1.04	
For >200 To 500, Add	0.52	
For 12" On Center, Add	0.62	
For 24" On Center, Deduct	-0.62	
05 41 00 00-0004 SF 4" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.67	0.68
For Walls >10' High, Add	0.73	
For Curved Wall, Add	0.52	
For Up To 200, Add	1.08	
For >200 To 500, Add	0.54	
For 12" On Center, Add	0.65	
For 24" On Center, Deduct	-0.65	
05 41 00 00-0005 SF 6" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.60	0.75
For Walls >10' High, Add	0.92	
For Curved Wall, Add	0.54	
For Up To 200, Add	1.28	
For >200 To 500, Add	0.64	
For 12" On Center, Add	0.83	
For 24" On Center, Deduct	-0.83	
05 41 00 00-0006 SF 8" Width, 18 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	5.12	0.83
For Walls >10' High, Add	1.02	
For Curved Wall, Add	0.57	
For Up To 200, Add	1.40	
For >200 To 500, Add	0.70	
For 12" On Center, Add	0.93	
For 24" On Center, Deduct	-0.93	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Framing ^(05 41)

05 Metals**05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0008	SF		2-1/2" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.40	0.68
			<i>For Walls >10' High, Add</i>	0.68	
			<i>For Curved Wall, Add</i>	0.50	
			<i>For Up To 200, Add</i>	1.01	
			<i>For >200 To 500, Add</i>	0.51	
			<i>For 12" On Center, Add</i>	0.60	
			<i>For 24" On Center, Deduct</i>	-0.60	
05 41 00 00-0009	SF		3-5/8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	3.90	0.68
			<i>For Walls >10' High, Add</i>	0.78	
			<i>For Curved Wall, Add</i>	0.53	
			<i>For Up To 200, Add</i>	1.13	
			<i>For >200 To 500, Add</i>	0.57	
			<i>For 12" On Center, Add</i>	0.69	
			<i>For 24" On Center, Deduct</i>	-0.69	
05 41 00 00-0010	SF		4" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.11	0.68
			<i>For Walls >10' High, Add</i>	0.82	
			<i>For Curved Wall, Add</i>	0.55	
			<i>For Up To 200, Add</i>	1.19	
			<i>For >200 To 500, Add</i>	0.59	
			<i>For 12" On Center, Add</i>	0.73	
			<i>For 24" On Center, Deduct</i>	-0.73	
05 41 00 00-0011	SF		6" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.13	0.83
			<i>For Walls >10' High, Add</i>	1.03	
			<i>For Curved Wall, Add</i>	0.57	
			<i>For Up To 200, Add</i>	1.41	
			<i>For >200 To 500, Add</i>	0.70	
			<i>For 12" On Center, Add</i>	0.93	
			<i>For 24" On Center, Deduct</i>	-0.93	
05 41 00 00-0012	SF		8" Width, 16 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.63	0.90
			<i>For Walls >10' High, Add</i>	1.13	
			<i>For Curved Wall, Add</i>	0.60	
			<i>For Up To 200, Add</i>	1.53	
			<i>For >200 To 500, Add</i>	0.76	
			<i>For 12" On Center, Add</i>	1.03	
			<i>For 24" On Center, Deduct</i>	-1.03	
05 41 00 00-0013			14 Gauge, Load Bearing, Structural Metal Framing (05 41)		
05 41 00 00-0014	SF		3-5/8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center	4.63	0.94
			<i>For Walls >10' High, Add</i>	0.93	
			<i>For Curved Wall, Add</i>	0.63	
			<i>For Up To 200, Add</i>	1.35	
			<i>For >200 To 500, Add</i>	0.67	
			<i>For 12" On Center, Add</i>	0.82	
			<i>For 24" On Center, Deduct</i>	-0.82	
05 41 00 00-0015	SF		4" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	4.75	0.96
			<i>For Walls >10' High, Add</i>	0.95	
			<i>For Curved Wall, Add</i>	0.64	
			<i>For Up To 200, Add</i>	1.38	
			<i>For >200 To 500, Add</i>	0.69	
			<i>For 12" On Center, Add</i>	0.84	
			<i>For 24" On Center, Deduct</i>	-0.84	
05 41 00 00-0016	SF		6" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	5.89	1.02
			<i>For Walls >10' High, Add</i>	1.18	
			<i>For Curved Wall, Add</i>	0.67	
			<i>For Up To 200, Add</i>	1.63	
			<i>For >200 To 500, Add</i>	0.81	
			<i>For 12" On Center, Add</i>	1.07	
			<i>For 24" On Center, Deduct</i>	-1.07	
05 41 00 00-0017	SF		8" Width, 14 Gauge, Load Bearing, Structural Metal Framing Stud With Tracks And Runners, 16" On Center.....	6.45	1.06
			<i>For Walls >10' High, Add</i>	1.29	
			<i>For Curved Wall, Add</i>	0.70	
			<i>For Up To 200, Add</i>	1.76	
			<i>For >200 To 500, Add</i>	0.88	
			<i>For 12" On Center, Add</i>	1.17	
			<i>For 24" On Center, Deduct</i>	-1.17	
05 42 Cold-Formed Metal Joist Framing (05 40)					
05 42 33 Cold-Formed Metal Joist Framing (05 42)					
05 42 33 00-0001 Steel Joists, 18 Gauge (05 42 33)					
05 42 33 00-0002	LF		5-1/2" - 18 Gauge Steel Joists	7.24	1.80
05 42 33 00-0003	LF		6" - 18 Gauge Steel Joists	7.99	2.26
05 42 33 00-0004	LF		7-1/4" - 18 Gauge Steel Joists	8.67	2.48
05 42 33 00-0005	LF		8" - 18 Gauge Steel Joists	9.84	2.64
05 42 33 00-0006 Steel Joists, 16 Gauge (05 42 33)					
05 42 33 00-0007	LF		7-1/4" - 16 Gauge Steel Joists	9.34	2.50
05 42 33 00-0008	LF		8" - 16 Gauge Steel Joists	9.85	2.64
05 42 33 00-0009 Steel Joists, 14 Gauge (05 42 33)					



Metals	05	05
Cold-Formed Metal Framing	05 40	
Cold-Formed Metal Joist Framing	05 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 33 00-0010 LF 9-1/4" - 14 Gauge Steel Joists	11.05	2.64
05 42 33 00-0011 LF 11-1/2" - 14 Gauge Steel Joists	11.99	2.78
05 43 Slotted Channel Framing (05 40)		
05 43 00 00-0001 Unistrut Channel (05 43)		
05 43 00 00-0002 Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	8.35	1.92
<i>For Powder Coating, Add</i>	0.68	
<i>For Galvanizing, Add</i>	0.77	
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	8.57	1.92
<i>For Powder Coating, Add</i>	0.71	
<i>For Galvanizing, Add</i>	0.80	
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	8.91	1.92
<i>For Powder Coating, Add</i>	0.76	
<i>For Galvanizing, Add</i>	0.86	
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	7.92	1.92
<i>For Powder Coating, Add</i>	0.61	
<i>For Galvanizing, Add</i>	0.69	
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	6.96	1.92
<i>For Powder Coating, Add</i>	0.47	
<i>For Galvanizing, Add</i>	0.53	
05 43 00 00-0008 Stainless Steel Unistrut Channel (05 43 00 00-0001)		
05 43 00 00-0009 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Stainless Steel Unistrut Channel	23.50	1.92
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Stainless Steel Unistrut Channel	16.44	1.92
05 43 00 00-0011 Unistrut Closure Strips (05 43)		
05 43 00 00-0012 LF Raceway Closure Strip For Unistrut Channel	4.24	0.42
05 43 00 00-0013 Lock Nuts With Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0014 EA 1/4-20 Lock Nut With Spring For Unistrut Channel	5.57	
05 43 00 00-0015 EA 3/8-16 Lock Nut With Spring For Unistrut Channel	6.03	
05 43 00 00-0016 EA 1/2-13 Lock Nut With Spring For Unistrut Channel	6.38	
05 43 00 00-0017 EA 5/8-11 Lock Nut With Spring For Unistrut Channel	8.26	
05 43 00 00-0018 Lock Nuts Without Spring For Unistrut Channel (05 43)		
Note: Includes hex bolt.		
05 43 00 00-0019 EA 1/4-20 Lock Nut Without Spring For Unistrut Channel	5.58	
05 43 00 00-0020 EA 3/8-16 Lock Nut Without Spring For Unistrut Channel	6.10	
05 43 00 00-0021 EA 1/2-13 Lock Nut Without Spring For Unistrut Channel	6.41	
05 43 00 00-0022 EA 5/8-11 Lock Nut Without Spring For Unistrut Channel	8.81	
05 43 00 00-0023 Beam Clamp For Unistrut Channel (05 43)		
05 43 00 00-0024 EA Unistrut Beam Clamp, 1-5/8" Channel P2675	16.28	6.39
05 43 00 00-0025 EA Unistrut Beam Clamp, 1-5/8" Channel P2676	19.55	6.39
05 43 00 00-0026 EA Add For Unistrut Swivel Nut, P2676	1.78	
05 43 00 00-0027 Beam Clamp Clevis Hangers (05 43)		
05 43 00 00-0028 EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	17.41	6.39
05 43 00 00-0029 EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	20.02	6.39
05 43 00 00-0030 EA Add For Unistrut Swivel Nut	1.78	
05 43 00 00-0031 EA Unistrut Bracket For Shelves	45.44	8.52
05 45 Metal Support Assemblies (05 40)		
05 45 16 Electrical Metal Supports (05 45)		
See CSI section 26 05 29 00-0000 for metal supports.		
05 50 Metal Fabrications (05)		
05 51 Metal Stairs (05 50)		
05 51 13 Metal Pan Stairs (05 51)		
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail. See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing (05 51 13)		
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002 RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	539.21	24.77
<i>For Closed Riser, Add</i>	61.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 00-0003 RSR 4'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	613.46 69.65	28.90
05 51 13 00-0004 RSR 5'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	684.94 77.55	33.85
05 51 13 00-0005 SF Concrete Filled Steel Pan Landing..... Note: Conventional shape.	72.48	4.13
05 51 19 Metal Grating Stairs <small>(05 51)</small> Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing <small>(05 51 19)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002 RSR 3'-6" Wide Open Steel Grating Tread Metal Stair..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	271.17 31.62 51.28	33.03
05 51 19 00-0003 RSR 4'-0" Wide Open Steel Grating Tread Metal Stair..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	290.85 33.63 53.72	37.99
05 51 19 00-0004 RSR 5'-0" Wide Open Steel Grating Tread Metal Stair..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	323.60 37.16 58.61	44.59
05 51 19 00-0005 SF Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape. <i>For Galvanized Steel, Add</i>	51.67 8.79	4.13
05 51 33 Metal Ladders <small>(05 51)</small> Note: Includes factory prime.		
05 51 33 13 Vertical Metal Ladders <small>(05 51 33)</small>		
05 51 33 13-0001 Vertical Ladders <small>(05 51 33 13)</small> Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002 VLF 20" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	76.05 11.24 22.48	9.91
05 51 33 13-0003 VLF 24" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	87.44 14.09 28.18	9.91
05 51 33 13-0004 VLF 20" Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	183.24 32.65 65.30	16.51
05 51 33 13-0005 VLF 24" Wide Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	206.03 38.35 76.70	16.51
05 51 33 13-0006 Vertical Ladders Options <small>(05 51 33 13)</small>		
05 51 33 13-0007 EA 20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	204.96 35.76 71.52	30.96
05 51 33 13-0008 EA 24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	223.81 39.44 78.88	33.03
05 51 33 13-0009 EA Security Cage Entry Gate With Lockable Hasp	283.57	10.32
05 51 33 13-0010 EA 6' Security Ladder Guard	631.82	61.93
05 51 33 13-0011 EA 8' Security Ladder Guard	754.48	72.25
05 51 33 13-0012 EA Safety Chain Attachment	113.27	
05 51 33 13-0013 Welded Steel Ladder Cages <small>(05 51 33 13)</small> Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages <small>(05 51 33 13-0013)</small>		
05 51 33 13-0015 EA 7'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,172.50	123.85
05 51 33 13-0016 EA 8'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,269.51	127.98
05 51 33 13-0017 EA 9'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,347.23	132.11
05 51 33 13-0018 EA 10'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,430.08	136.24
05 51 33 13-0019 EA 11'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,479.50	140.36
05 51 33 13-0020 EA 12'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,558.50	144.49
05 51 33 13-0021 EA 13'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,628.49	148.62
05 51 33 13-0022 EA 14'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,719.07	152.75
05 51 33 13-0023 EA 15'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,807.06	156.88
05 51 33 13-0024 EA 16'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,879.64	161.01
05 51 33 13-0025 EA 17'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	1,967.64	165.14
05 51 33 13-0026 EA 18'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,053.07	169.26
05 51 33 13-0027 EA 19'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,137.21	173.39
05 51 33 13-0028 EA 20'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,288.23	177.52
05 51 33 13-0029 EA 21'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,335.09	181.64
05 51 33 13-0030 EA 22'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,414.08	185.78
05 51 33 13-0031 EA 23'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,486.65	189.91
05 51 33 13-0032 EA 24'-1/2' Length, Powder Coated, Welded Steel Ladder Cage.....	2,554.07	194.04



Metals	05	05
Metal Fabrications	05 50	
Metal Stairs	05 51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,701.25	198.16
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,781.53	202.29
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,856.67	206.42
05 51 33 13-0036 Stainless Steel, Welded Steel Ladder Cages (05 51 33 13-0013)		
05 51 33 13-0037 EA 7-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,693.41	123.85
05 51 33 13-0038 EA 8-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	2,874.78	127.98
05 51 33 13-0039 EA 9-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,175.25	132.11
05 51 33 13-0040 EA 10-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,324.69	136.24
05 51 33 13-0041 EA 11-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,450.82	140.36
05 51 33 13-0042 EA 12-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,617.46	144.49
05 51 33 13-0043 EA 13-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	3,915.46	148.62
05 51 33 13-0044 EA 14-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,067.37	152.75
05 51 33 13-0045 EA 15-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,224.18	156.88
05 51 33 13-0046 EA 16-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,395.74	161.01
05 51 33 13-0047 EA 17-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,699.89	165.14
05 51 33 13-0048 EA 18-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,853.02	169.26
05 51 33 13-0049 EA 19-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	4,998.78	173.39
05 51 33 13-0050 EA 20-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,239.08	177.52
05 51 33 13-0051 EA 21-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,508.86	181.64
05 51 33 13-0052 EA 22-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,659.53	185.78
05 51 33 13-0053 EA 23-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,813.90	189.91
05 51 33 13-0054 EA 24-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	5,958.43	194.04
05 51 33 13-0055 EA 25-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,326.43	198.16
05 51 33 13-0056 EA 26-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,470.97	202.29
05 51 33 13-0057 EA 27-1/2' Length, Stainless Steel, Welded Steel Ladder Cage	6,619.18	206.42
05 51 33 16 Inclined Metal Ladders (05 51 33)		
05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs (05 51 33 16)		
Note: Includes factory prime.		
05 51 33 16-0002 RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	205.33	41.28
For Aluminum, Add	61.39	
05 51 33 23 Alternating Tread Ladders (05 51 33)		
05 51 33 23-0001 Vertical Ladders With Alternating Tread (05 51 33 23)		
05 51 33 23-0002 EA 4' Vertical Height Aluminum Alternating Tread Ladder	1,328.27	123.85
For Stainless Steel, Add	196.80	
For Primed Steel, Deduct	-191.42	
05 51 33 23-0003 EA 5' Vertical Height Aluminum Alternating Tread Ladder	1,511.19	131.28
For Stainless Steel, Add	240.90	
For Primed Steel, Deduct	-223.30	
05 51 33 23-0004 EA 6' Vertical Height Aluminum Alternating Tread Ladder	1,662.73	131.28
For Stainless Steel, Add	288.67	
For Primed Steel, Deduct	-241.55	
05 51 33 23-0005 EA 7' Vertical Height Aluminum Alternating Tread Ladder	1,912.98	164.97
For Stainless Steel, Add	347.24	
For Primed Steel, Deduct	-256.61	
05 51 33 23-0006 EA 8' Vertical Height Aluminum Alternating Tread Ladder	2,089.84	170.81
For Stainless Steel, Add	388.99	
For Primed Steel, Deduct	-298.53	
05 51 33 23-0007 EA 9' Vertical Height Aluminum Alternating Tread Ladder	2,223.74	170.81
For Stainless Steel, Add	453.51	
For Primed Steel, Deduct	-293.53	
05 51 33 23-0008 EA 10' Vertical Height Aluminum Alternating Tread Ladder	2,445.05	190.54
For Stainless Steel, Add	497.40	
For Primed Steel, Deduct	-327.55	
05 51 33 23-0009 EA 11' Vertical Height Aluminum Alternating Tread Ladder	2,595.07	190.54
For Stainless Steel, Add	546.61	
For Primed Steel, Deduct	-347.07	
05 51 33 23-0010 EA 12' Vertical Height Aluminum Alternating Tread Ladder	2,711.80	190.54
For Stainless Steel, Add	623.99	
For Primed Steel, Deduct	-346.65	
05 52 Metal Railings (05 50)		
05 52 13 Pipe And Tube Railings (05 52)		
Note: Includes sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		
05 52 13 00-0001 Welded Steel Pipe Railing (05 52 13)		
Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002 Single Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)		
Note: Includes factory primed posts and one rail.		

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0003	LF 1" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	34.18	8.25
	For Schedule 80 Handrail, Add	2.60	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	7.42	
	For Aluminum, Clear Anodized Finish, Add	11.49	
	For Aluminum, Dark Anodized Finish, Add	13.25	
	For Galvanizing, Add	7.07	
	For Wrought Iron, Add	3.42	
	For Solid Steel Rails, Add	6.84	
	For 304 Stainless Steel, Add	56.54	
	For 316 Stainless Steel, Add	63.61	
	For 2" Wheel Guard, Add	1.68	
	For 4" High Kick Plate, Add	2.21	
	For 6" High Kick Plate, Add	3.53	
	For Curved Rail, Add	15.56	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	4.24	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	12.96	
	For Nylon Coating, Add	2.65	
05 52 13 00-0004	LF 1-1/4" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	37.23	8.25
	For Schedule 80 Handrail, Add	3.69	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	8.70	
	For Aluminum, Clear Anodized Finish, Add	13.47	
	For Aluminum, Dark Anodized Finish, Add	15.54	
	For Galvanizing, Add	8.29	
	For Wrought Iron, Add	3.72	
	For Solid Steel Rails, Add	7.45	
	For 304 Stainless Steel, Add	66.30	
	For 316 Stainless Steel, Add	74.59	
	For 2" Wheel Guard, Add	1.97	
	For 4" High Kick Plate, Add	2.59	
	For 6" High Kick Plate, Add	4.14	
	For Curved Rail, Add	17.39	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	4.55	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	14.49	
	For Nylon Coating, Add	3.11	
05 52 13 00-0005	LF 1-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	40.27	8.25
	For Schedule 80 Handrail, Add	3.69	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	9.98	
	For Aluminum, Clear Anodized Finish, Add	15.44	
	For Aluminum, Dark Anodized Finish, Add	17.82	
	For Galvanizing, Add	9.50	
	For Wrought Iron, Add	4.03	
	For Solid Steel Rails, Add	8.05	
	For 304 Stainless Steel, Add	76.03	
	For 316 Stainless Steel, Add	85.54	
	For 2" Wheel Guard, Add	2.26	
	For 4" High Kick Plate, Add	2.97	
	For 6" High Kick Plate, Add	4.75	
	For Curved Rail, Add	19.21	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	4.85	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	16.01	
	For Nylon Coating, Add	3.56	
05 52 13 00-0006	LF 2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	45.55	8.25
	For Schedule 80 Handrail, Add	4.14	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	12.20	
	For Aluminum, Clear Anodized Finish, Add	18.88	
	For Aluminum, Dark Anodized Finish, Add	21.78	
	For Galvanizing, Add	11.62	
	For Wrought Iron, Add	4.56	
	For Solid Steel Rails, Add	9.11	
	For 304 Stainless Steel, Add	92.93	
	For 316 Stainless Steel, Add	104.54	
	For 2" Wheel Guard, Add	2.76	
	For 4" High Kick Plate, Add	3.63	
	For 6" High Kick Plate, Add	5.81	
	For Curved Rail, Add	22.38	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	5.38	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	18.65	
	For Nylon Coating, Add	4.36	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007 LF 2-1/2" Diameter Welded Pipe Handrail, 1 Rail, Up To 42" High With Shop Paint	51.88	8.25
For Schedule 80 Handrail, Add	4.59	
For Additional Off Set Handrail, ADA Attachment, Add	11.79	
For Aluminum, Satin Finish, Add	14.86	
For Aluminum, Clear Anodized Finish, Add	22.99	
For Aluminum, Dark Anodized Finish, Add	26.53	
For Galvanizing, Add	14.15	
For Wrought Iron, Add	5.19	
For Solid Steel Rails, Add	10.38	
For 304 Stainless Steel, Add	113.18	
For 316 Stainless Steel, Add	127.33	
For 2" Wheel Guard, Add	3.36	
For 4" High Kick Plate, Add	4.42	
For 6" High Kick Plate, Add	7.07	
For Curved Rail, Add	26.18	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.01	
For Mounting On Slopes, Add	1.65	
For Post Base Flange With Screws, Add Per Post	19.15	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
For Custom Design Or Shapes (Square Tops, etc), Add	21.81	
For Nylon Coating, Add	5.31	
05 52 13 00-0008 Two Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)		
Note: Includes factory primed posts and two rails.		
05 52 13 00-0009 LF 1" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	38.60	8.25
For Schedule 80 Handrail, Add	2.60	
For Additional Off Set Handrail, ADA Attachment, Add	11.79	
For Aluminum, Satin Finish, Add	9.28	
For Aluminum, Clear Anodized Finish, Add	14.36	
For Aluminum, Dark Anodized Finish, Add	16.57	
For Galvanizing, Add	8.84	
For Wrought Iron, Add	3.86	
For Solid Steel Rails, Add	7.72	
For 304 Stainless Steel, Add	70.69	
For 316 Stainless Steel, Add	79.52	
For 2" Wheel Guard, Add	2.10	
For 4" High Kick Plate, Add	2.76	
For 6" High Kick Plate, Add	4.42	
For Curved Rail, Add	18.21	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	4.69	
For Mounting On Slopes, Add	1.65	
For Post Base Flange With Screws, Add Per Post	19.15	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
For Custom Design Or Shapes (Square Tops, etc), Add	15.17	
For Nylon Coating, Add	3.31	
05 52 13 00-0010 LF 1-1/4" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	42.40	8.25
For Schedule 80 Handrail, Add	3.69	
For Additional Off Set Handrail, ADA Attachment, Add	11.79	
For Aluminum, Satin Finish, Add	10.87	
For Aluminum, Clear Anodized Finish, Add	16.83	
For Aluminum, Dark Anodized Finish, Add	19.42	
For Galvanizing, Add	10.36	
For Wrought Iron, Add	4.24	
For Solid Steel Rails, Add	8.48	
For 304 Stainless Steel, Add	82.85	
For 316 Stainless Steel, Add	93.20	
For 2" Wheel Guard, Add	2.46	
For 4" High Kick Plate, Add	3.24	
For 6" High Kick Plate, Add	5.18	
For Curved Rail, Add	20.49	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	5.07	
For Mounting On Slopes, Add	1.65	
For Post Base Flange With Screws, Add Per Post	19.15	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
For Custom Design Or Shapes (Square Tops, etc), Add	17.07	
For Nylon Coating, Add	3.88	

05	Metals
05 50	Metal Fabrications
05 52	Metal Railings



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 52 13 00-0011	LF 1-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	46.21	8.25
	For Schedule 80 Handrail, Add	3.69	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	12.47	
	For Aluminum, Clear Anodized Finish, Add	19.31	
	For Aluminum, Dark Anodized Finish, Add	22.28	
	For Galvanizing, Add	11.88	
	For Wrought Iron, Add	4.62	
	For Solid Steel Rails, Add	9.24	
	For 304 Stainless Steel, Add	95.04	
	For 316 Stainless Steel, Add	106.92	
	For 2" Wheel Guard, Add	2.82	
	For 4" High Kick Plate, Add	3.71	
	For 6" High Kick Plate, Add	5.94	
	For Curved Rail, Add	22.77	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	5.45	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	18.98	
	For Nylon Coating, Add	4.46	
05 52 13 00-0012	LF 2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	52.81	8.25
	For Schedule 80 Handrail, Add	4.14	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	15.25	
	For Aluminum, Clear Anodized Finish, Add	23.60	
	For Aluminum, Dark Anodized Finish, Add	27.23	
	For Galvanizing, Add	14.52	
	For Wrought Iron, Add	5.28	
	For Solid Steel Rails, Add	10.56	
	For 304 Stainless Steel, Add	116.16	
	For 316 Stainless Steel, Add	130.68	
	For 2" Wheel Guard, Add	3.45	
	For 4" High Kick Plate, Add	4.54	
	For 6" High Kick Plate, Add	7.26	
	For Curved Rail, Add	26.73	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	6.11	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	22.28	
	For Nylon Coating, Add	5.45	
05 52 13 00-0013	LF 2-1/2" Diameter Welded Pipe Handrail, 2 Rail, Up To 42" High With Shop Paint	60.72	8.25
	For Schedule 80 Handrail, Add	4.59	
	For Additional Off Set Handrail, ADA Attachment, Add	11.79	
	For Aluminum, Satin Finish, Add	18.57	
	For Aluminum, Clear Anodized Finish, Add	28.74	
	For Aluminum, Dark Anodized Finish, Add	33.16	
	For Galvanizing, Add	17.68	
	For Wrought Iron, Add	6.07	
	For Solid Steel Rails, Add	12.14	
	For 304 Stainless Steel, Add	141.47	
	For 316 Stainless Steel, Add	159.16	
	For 2" Wheel Guard, Add	4.20	
	For 4" High Kick Plate, Add	5.53	
	For 6" High Kick Plate, Add	8.84	
	For Curved Rail, Add	31.48	
	For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
	For Mounting On Stairs, Add	6.90	
	For Mounting On Slopes, Add	1.65	
	For Post Base Flange With Screws, Add Per Post	19.15	
	For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	28.98	
	For Custom Design Or Shapes (Square Tops, etc), Add	26.23	
	For Nylon Coating, Add	6.63	

05 52 13 00-0014 Three Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)
Note: Includes factory primed posts and three rails.



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015 LF 1" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	51.38	9.91
For Schedule 80 Handrail, Add	3.89	
For Additional Off Set Handrail, ADA Attachment, Add	12.45	
For Aluminum, Satin Finish, Add	13.26	
For Aluminum, Clear Anodized Finish, Add	20.52	
For Aluminum, Dark Anodized Finish, Add	23.68	
For Galvanizing, Add	12.63	
For Wrought Iron, Add	5.14	
For Solid Steel Rails, Add	10.28	
For 304 Stainless Steel, Add	101.02	
For 316 Stainless Steel, Add	113.65	
For 2" Wheel Guard, Add	3.00	
For 4" High Kick Plate, Add	3.95	
For 6" High Kick Plate, Add	6.31	
For Curved Rail, Add	24.89	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.13	
For Mounting On Slopes, Add	1.98	
For Post Base Flange With Screws, Add Per Post	19.48	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
For Custom Design Or Shapes (Square Tops, etc), Add	20.74	
For Nylon Coating, Add	4.74	
05 52 13 00-0016 LF 1-1/4" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	56.82	9.91
For Schedule 80 Handrail, Add	5.36	
For Additional Off Set Handrail, ADA Attachment, Add	12.45	
For Aluminum, Satin Finish, Add	15.54	
For Aluminum, Clear Anodized Finish, Add	24.06	
For Aluminum, Dark Anodized Finish, Add	27.76	
For Galvanizing, Add	14.80	
For Wrought Iron, Add	5.68	
For Solid Steel Rails, Add	11.36	
For 304 Stainless Steel, Add	118.43	
For 316 Stainless Steel, Add	133.24	
For 2" Wheel Guard, Add	3.52	
For 4" High Kick Plate, Add	4.63	
For 6" High Kick Plate, Add	7.40	
For Curved Rail, Add	28.15	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	6.67	
For Mounting On Slopes, Add	1.98	
For Post Base Flange With Screws, Add Per Post	19.48	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
For Custom Design Or Shapes (Square Tops, etc), Add	23.46	
For Nylon Coating, Add	5.55	
05 52 13 00-0017 LF 1-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	62.26	9.91
For Schedule 80 Handrail, Add	5.36	
For Additional Off Set Handrail, ADA Attachment, Add	12.45	
For Aluminum, Satin Finish, Add	17.83	
For Aluminum, Clear Anodized Finish, Add	27.59	
For Aluminum, Dark Anodized Finish, Add	31.84	
For Galvanizing, Add	16.98	
For Wrought Iron, Add	6.23	
For Solid Steel Rails, Add	12.45	
For 304 Stainless Steel, Add	135.84	
For 316 Stainless Steel, Add	152.82	
For 2" Wheel Guard, Add	4.03	
For 4" High Kick Plate, Add	5.31	
For 6" High Kick Plate, Add	8.49	
For Curved Rail, Add	31.41	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	7.22	
For Mounting On Slopes, Add	1.98	
For Post Base Flange With Screws, Add Per Post	19.48	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
For Custom Design Or Shapes (Square Tops, etc), Add	26.18	
For Nylon Coating, Add	6.37	
05 52 13 00-0018 LF 2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	71.71	9.91
For Schedule 80 Handrail, Add	5.95	
For Additional Off Set Handrail, ADA Attachment, Add	12.45	
For Aluminum, Satin Finish, Add	21.80	
For Aluminum, Clear Anodized Finish, Add	33.74	
For Aluminum, Dark Anodized Finish, Add	38.93	
For Galvanizing, Add	20.76	
For Wrought Iron, Add	7.17	
For Solid Steel Rails, Add	14.34	
For 304 Stainless Steel, Add	166.08	
For 316 Stainless Steel, Add	186.84	
For 2" Wheel Guard, Add	4.93	
For 4" High Kick Plate, Add	6.49	
For 6" High Kick Plate, Add	10.38	
For Curved Rail, Add	37.08	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	8.16	
For Mounting On Slopes, Add	1.98	
For Post Base Flange With Screws, Add Per Post	19.48	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.47	
For Custom Design Or Shapes (Square Tops, etc), Add	30.90	
For Nylon Coating, Add	7.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF		2-1/2" Diameter Welded Pipe Handrail, 3 Rail, Up To 42" High With Shop Paint	82.96	9.91
			<i>For Schedule 80 Handrail, Add</i>	6.55	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	12.45	
			<i>For Aluminum, Satin Finish, Add</i>	26.52	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	41.05	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	47.36	
			<i>For Galvanizing, Add</i>	25.26	
			<i>For Wrought Iron, Add</i>	8.30	
			<i>For Solid Steel Rails, Add</i>	16.59	
			<i>For 304 Stainless Steel, Add</i>	202.08	
			<i>For 316 Stainless Steel, Add</i>	227.34	
			<i>For 2" Wheel Guard, Add</i>	6.00	
			<i>For 4" High Kick Plate, Add</i>	7.89	
			<i>For 6" High Kick Plate, Add</i>	12.63	
			<i>For Curved Rail, Add</i>	43.83	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	9.29	
			<i>For Mounting On Slopes, Add</i>	1.98	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.48	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.47	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	36.53	
			<i>For Nylon Coating, Add</i>	9.47	
05 52 13 00-0020			Four Rail Welded Steel Pipe Railing, Up To 42" High (05 52 13 00-0001)		
			Note: Includes factory primed posts and four rails.		
05 52 13 00-0021	LF		1" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	61.87	11.56
			<i>For Schedule 80 Handrail, Add</i>	5.40	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.11	
			<i>For Aluminum, Satin Finish, Add</i>	16.28	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.19	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.06	
			<i>For Galvanizing, Add</i>	15.50	
			<i>For Wrought Iron, Add</i>	6.19	
			<i>For Solid Steel Rails, Add</i>	12.37	
			<i>For 304 Stainless Steel, Add</i>	124.00	
			<i>For 316 Stainless Steel, Add</i>	139.50	
			<i>For 2" Wheel Guard, Add</i>	3.68	
			<i>For 4" High Kick Plate, Add</i>	4.84	
			<i>For 6" High Kick Plate, Add</i>	7.75	
			<i>For Curved Rail, Add</i>	30.19	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	7.34	
			<i>For Mounting On Slopes, Add</i>	2.31	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.81	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.97	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	25.16	
			<i>For Nylon Coating, Add</i>	5.81	
05 52 13 00-0022	LF		1-1/4" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	60.55	11.56
			<i>For Schedule 80 Handrail, Add</i>	7.23	
			<i>For Additional Off Set Handrail, ADA Attachment, Add</i>	13.11	
			<i>For Aluminum, Satin Finish, Add</i>	15.72	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	24.33	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	28.07	
			<i>For Galvanizing, Add</i>	14.97	
			<i>For Wrought Iron, Add</i>	6.06	
			<i>For Solid Steel Rails, Add</i>	12.11	
			<i>For 304 Stainless Steel, Add</i>	119.78	
			<i>For 316 Stainless Steel, Add</i>	134.75	
			<i>For 2" Wheel Guard, Add</i>	3.56	
			<i>For 4" High Kick Plate, Add</i>	4.68	
			<i>For 6" High Kick Plate, Add</i>	7.49	
			<i>For Curved Rail, Add</i>	29.39	
			<i>For Handrail With Supported Safety Edge Expanded Metal Panels, Add</i>	11.20	
			<i>For Mounting On Stairs, Add</i>	7.21	
			<i>For Mounting On Slopes, Add</i>	2.31	
			<i>For Post Base Flange With Screws, Add Per Post</i>	19.81	
			<i>For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post</i>	29.97	
			<i>For Custom Design Or Shapes (Square Tops, etc), Add</i>	24.50	
			<i>For Nylon Coating, Add</i>	5.61	



Metals	05	05
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0023 LF 1-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	59.23	11.56
For Schedule 80 Handrail, Add	7.23	
For Additional Off Set Handrail, ADA Attachment, Add	13.11	
For Aluminum, Satin Finish, Add	15.17	
For Aluminum, Clear Anodized Finish, Add	23.47	
For Aluminum, Dark Anodized Finish, Add	27.08	
For Galvanizing, Add	14.44	
For Wrought Iron, Add	5.92	
For Solid Steel Rails, Add	11.85	
For 304 Stainless Steel, Add	115.55	
For 316 Stainless Steel, Add	130.00	
For 2" Wheel Guard, Add	3.43	
For 4" High Kick Plate, Add	4.51	
For 6" High Kick Plate, Add	7.22	
For Curved Rail, Add	28.60	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	7.08	
For Mounting On Slopes, Add	2.31	
For Post Base Flange With Screws, Add Per Post	19.81	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.97	
For Custom Design Or Shapes (Square Tops, etc), Add	23.84	
For Nylon Coating, Add	5.42	
05 52 13 00-0024 LF 2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	82.28	11.56
For Schedule 80 Handrail, Add	7.97	
For Additional Off Set Handrail, ADA Attachment, Add	13.11	
For Aluminum, Satin Finish, Add	24.85	
For Aluminum, Clear Anodized Finish, Add	38.45	
For Aluminum, Dark Anodized Finish, Add	44.37	
For Galvanizing, Add	23.66	
For Wrought Iron, Add	8.23	
For Solid Steel Rails, Add	16.46	
For 304 Stainless Steel, Add	189.31	
For 316 Stainless Steel, Add	212.98	
For 2" Wheel Guard, Add	5.62	
For 4" High Kick Plate, Add	7.40	
For 6" High Kick Plate, Add	11.83	
For Curved Rail, Add	42.43	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	9.38	
For Mounting On Slopes, Add	2.31	
For Post Base Flange With Screws, Add Per Post	19.81	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.97	
For Custom Design Or Shapes (Square Tops, etc), Add	35.36	
For Nylon Coating, Add	8.87	
05 52 13 00-0025 LF 2-1/2" Diameter Welded Pipe Handrail, 4 Rail, Up To 42" High With Shop Paint	94.88	11.56
For Schedule 80 Handrail, Add	8.71	
For Additional Off Set Handrail, ADA Attachment, Add	13.11	
For Aluminum, Satin Finish, Add	30.14	
For Aluminum, Clear Anodized Finish, Add	46.64	
For Aluminum, Dark Anodized Finish, Add	53.82	
For Galvanizing, Add	28.70	
For Wrought Iron, Add	9.49	
For Solid Steel Rails, Add	18.98	
For 304 Stainless Steel, Add	229.63	
For 316 Stainless Steel, Add	258.34	
For 2" Wheel Guard, Add	6.82	
For 4" High Kick Plate, Add	8.97	
For 6" High Kick Plate, Add	14.35	
For Curved Rail, Add	49.99	
For Handrail With Supported Safety Edge Expanded Metal Panels, Add	11.20	
For Mounting On Stairs, Add	10.64	
For Mounting On Slopes, Add	2.31	
For Post Base Flange With Screws, Add Per Post	19.81	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.97	
For Custom Design Or Shapes (Square Tops, etc), Add	41.66	
For Nylon Coating, Add	10.76	
05 52 13 00-0026 Welded Steel Wall Rail With Brackets <small>(05 52 13)</small>		
Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0027 LF 1" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	29.29	4.96
For Schedule 80 Handrail, Add	1.63	
For Stainless Steel, Add	33.82	
For Aluminum, Satin Finish, Add	7.10	
For Curved Rail, Add	8.79	
For Aluminum, Clear Anodized Finish, Add	10.99	
For Aluminum, Dark Anodized Finish, Add	12.68	
For Galvanized Finish, Add	5.07	
05 52 13 00-0028 LF 1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High	29.83	4.96
For Schedule 80 Handrail, Add	1.81	
For Stainless Steel, Add	34.90	
For Aluminum, Satin Finish, Add	7.33	
For Curved Rail, Add	8.95	
For Aluminum, Clear Anodized Finish, Add	11.34	
For Aluminum, Dark Anodized Finish, Add	13.09	
For Galvanized Finish, Add	5.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0029	LF		1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High.....	30.38	4.96
			<i>For Schedule 80 Handrail, Add</i>	4.25	
			<i>For Stainless Steel, Add</i>	36.00	
			<i>For Aluminum, Satin Finish, Add</i>	7.56	
			<i>For Curved Rail, Add</i>	9.11	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	11.70	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	13.50	
			<i>For Galvanized Finish, Add</i>	5.40	
05 52 13 00-0030	LF		2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High.....	36.65	4.96
			<i>For Schedule 80 Handrail, Add</i>	2.14	
			<i>For Stainless Steel, Add</i>	48.54	
			<i>For Aluminum, Satin Finish, Add</i>	10.19	
			<i>For Curved Rail, Add</i>	11.00	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.78	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.20	
			<i>For Galvanized Finish, Add</i>	7.28	
05 52 13 00-0031	LF		2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe With Brackets And Shop Paint, Up To 42" High.....	41.83	4.96
			<i>For Schedule 80 Handrail, Add</i>	2.29	
			<i>For Stainless Steel, Add</i>	58.90	
			<i>For Aluminum, Satin Finish, Add</i>	12.37	
			<i>For Curved Rail, Add</i>	12.55	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.14	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.09	
			<i>For Galvanized Finish, Add</i>	8.84	
05 52 13 00-0032			Welded Steel Wall Rail With Brackets, Custom Shapes <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0033	LF		1" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High.....	35.70	5.21
			<i>For Schedule 80 Handrail, Add</i>	1.63	
			<i>For Stainless Steel, Add</i>	46.64	
			<i>For Aluminum, Satin Finish, Add</i>	9.79	
			<i>For Curved Rail, Add</i>	10.71	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.16	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.49	
			<i>For Galvanized Finish, Add</i>	7.00	
05 52 13 00-0034	LF		1-1/4" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High.....	36.46	5.21
			<i>For Schedule 80 Handrail, Add</i>	1.81	
			<i>For Stainless Steel, Add</i>	48.16	
			<i>For Aluminum, Satin Finish, Add</i>	10.11	
			<i>For Curved Rail, Add</i>	10.94	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.65	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.06	
			<i>For Galvanized Finish, Add</i>	7.22	
05 52 13 00-0035	LF		1-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High.....	37.03	5.21
			<i>For Schedule 80 Handrail, Add</i>	4.25	
			<i>For Stainless Steel, Add</i>	49.30	
			<i>For Aluminum, Satin Finish, Add</i>	10.35	
			<i>For Curved Rail, Add</i>	11.11	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	16.02	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	18.49	
			<i>For Galvanized Finish, Add</i>	7.40	
05 52 13 00-0036	LF		2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High.....	45.79	5.21
			<i>For Schedule 80 Handrail, Add</i>	2.14	
			<i>For Stainless Steel, Add</i>	66.82	
			<i>For Aluminum, Satin Finish, Add</i>	14.03	
			<i>For Curved Rail, Add</i>	13.74	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	21.72	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	25.06	
			<i>For Galvanized Finish, Add</i>	10.02	
05 52 13 00-0037	LF		2-1/2" Diameter Welded Pipe Wall Handrail Steel Pipe, Custom Shapes With Brackets And Shop Paint, Up To 42" High.....	51.52	5.21
			<i>For Schedule 80 Handrail, Add</i>	2.29	
			<i>For Stainless Steel, Add</i>	78.28	
			<i>For Aluminum, Satin Finish, Add</i>	16.44	
			<i>For Curved Rail, Add</i>	15.46	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	25.44	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	29.36	
			<i>For Galvanized Finish, Add</i>	11.74	
05 52 13 00-0038			Remove/Reinstall Pipe Railing <small>(05 52 13)</small>		
05 52 13 00-0039	LF		Remove And Reinstall Railing, Wall Mounted, Including Brackets.....	18.58	
05 52 13 00-0040	LF		Remove And Reinstall Railing, Floor Mounted Railing.....	24.23	
05 52 13 00-0041	EA		Install New Railing Bracket.....	50.33	
			<i>For Stainless Steel, Add</i>	51.12	

05 53 Metal Gratings (05 50)05 53 13 Bar Gratings (05 53)



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0001 Welded Grating <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002 Steel, Welded Grating <small>(05 53 13 00-0001)</small> Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating 7.54	7.54	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	0.97	
For 304 Stainless Steel, Add	18.36	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	1.67	
For Crossbars At 2" O.C., Add	0.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.36	
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating 9.91	9.91	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.38	
For 304 Stainless Steel, Add	25.97	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.36	
For Crossbars At 2" O.C., Add	0.87	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.42	
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating 9.06	9.06	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.23	
For 304 Stainless Steel, Add	23.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.11	
For Crossbars At 2" O.C., Add	0.78	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.40	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating 12.28	12.28	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.78	
For 304 Stainless Steel, Add	33.58	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.05	
For Crossbars At 2" O.C., Add	1.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.48	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating 15.50	15.50	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	43.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.99	
For Crossbars At 2" O.C., Add	1.48	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.56	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating 10.60	10.60	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.49	
For 304 Stainless Steel, Add	28.18	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	2.56	
For Crossbars At 2" O.C., Add	0.95	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.44	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating 14.51	14.51	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.16	
For 304 Stainless Steel, Add	40.73	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.71	
For Crossbars At 2" O.C., Add	1.37	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.54	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating 12.14	12.14	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	33.13	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.01	
For Crossbars At 2" O.C., Add	1.11	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.48	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating 17.28	17.28	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.56	
For 304 Stainless Steel, Add	48.31	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.39	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating	22.17	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.39	
For 304 Stainless Steel, Add	64.01	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.82	
For Crossbars At 2" O.C., Add	2.15	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.99	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating	19.66	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.96	
For 304 Stainless Steel, Add	55.95	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.09	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.93	
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating.....	21.90	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	63.14	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	5.74	
For Crossbars At 2" O.C., Add	2.12	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.99	
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating	24.27	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.75	
For 304 Stainless Steel, Add	70.75	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.44	
For Crossbars At 2" O.C., Add	2.38	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.05	
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating	26.50	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.13	
For 304 Stainless Steel, Add	77.91	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.09	
For Crossbars At 2" O.C., Add	2.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.10	
05 53 13 00-0017 Pressure Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018 Steel, Pressure Locked Grating <small>(05 53 13 00-0017)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating.....	13.75	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	22.32	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.48	
For Crossbars At 2" O.C., Add	1.29	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.52	
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating.....	16.80	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.59	
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating.....	15.06	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.17	
For 304 Stainless Steel, Add	24.77	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	3.87	
For Crossbars At 2" O.C., Add	1.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.55	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating.....	20.29	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	34.56	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	26.78	
For Bearing Bars At 15/16" O.C., Add	5.39	
For Crossbars At 2" O.C., Add	1.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.68	
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating.....	16.80	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.46	
For 304 Stainless Steel, Add	28.03	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.37	
For Crossbars At 2" O.C., Add	1.62	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.59	
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	22.71	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.43	
For 304 Stainless Steel, Add	39.09	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	6.10	
For Crossbars At 2" O.C., Add	2.26	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.74	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	18.63	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.76	
For 304 Stainless Steel, Add	31.45	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	4.91	
For Crossbars At 2" O.C., Add	1.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.64	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	25.66	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.84	
For 304 Stainless Steel, Add	43.84	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 7/16" O.C., Add	33.97	
For Bearing Bars At 15/16" O.C., Add	6.84	
For Crossbars At 2" O.C., Add	2.53	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.08	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	28.21	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	48.61	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	7.59	
For Crossbars At 2" O.C., Add	2.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.14	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	30.29	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.60	
For 304 Stainless Steel, Add	52.50	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.19	
For Crossbars At 2" O.C., Add	3.03	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.20	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	32.29	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.93	
For 304 Stainless Steel, Add	56.24	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	8.78	
For Crossbars At 2" O.C., Add	3.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.25	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	34.02	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.21	
For 304 Stainless Steel, Add	59.48	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	9.28	
For Crossbars At 2" O.C., Add	3.43	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.29	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)
 Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating	10.07	0.90
For Bearing Bars At 15/16" O.C., Add	2.41	
For Crossbars At 2" O.C., Add	0.89	
For Set In Place Without Bolting, Deduct	-1.43	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating	13.45	0.90
For Bearing Bars At 15/16" O.C., Add	3.40	
For Crossbars At 2" O.C., Add	1.26	
For Set In Place Without Bolting, Deduct	-1.51	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating	12.72	0.90
For Bearing Bars At 15/16" O.C., Add	3.18	
For Crossbars At 2" O.C., Add	1.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.49	
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating	17.10	0.90
For Bearing Bars At 7/16" O.C., Add	22.16	
For Bearing Bars At 15/16" O.C., Add	4.46	
For Crossbars At 2" O.C., Add	1.65	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.60	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating	14.65	0.90
For Bearing Bars At 15/16" O.C., Add	3.75	
For Crossbars At 2" O.C., Add	1.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.54	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating	19.42	0.90
For Bearing Bars At 15/16" O.C., Add	5.14	
For Crossbars At 2" O.C., Add	1.90	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.66	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating	16.46	0.90
For Bearing Bars At 15/16" O.C., Add	4.27	
For Crossbars At 2" O.C., Add	1.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.59	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating	21.81	0.90
For Bearing Bars At 7/16" O.C., Add	28.99	
For Bearing Bars At 15/16" O.C., Add	5.84	
For Crossbars At 2" O.C., Add	2.16	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.72	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating	24.10	0.90
For Bearing Bars At 15/16" O.C., Add	6.51	
For Crossbars At 2" O.C., Add	2.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.78	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating	26.81	0.90
For Bearing Bars At 15/16" O.C., Add	7.30	
For Crossbars At 2" O.C., Add	2.70	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.84	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating	28.94	0.90
For Bearing Bars At 15/16" O.C., Add	7.92	
For Crossbars At 2" O.C., Add	2.93	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.90	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating	31.47	0.90
For Bearing Bars At 15/16" O.C., Add	8.66	
For Crossbars At 2" O.C., Add	3.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.96	
05 53 13 00-0044 Swage Locked Grating <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045 Steel, Swage Locked Grating <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating	22.15	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.87	
For 304 Stainless Steel, Add	33.71	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	13.01	
For Crossbars At 2" O.C., Add	1.63	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.73	



Metals	05	05
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating	24.65	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.10	
For 304 Stainless Steel, Add	37.85	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	14.61	
For Crossbars At 2" O.C., Add	1.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.79	
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating	27.03	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	41.12	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	15.87	
For Crossbars At 2" O.C., Add	1.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.11	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating	30.87	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	47.49	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	18.33	
For Crossbars At 2" O.C., Add	2.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	34.73	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.99	
For 304 Stainless Steel, Add	53.89	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	20.80	
For Crossbars At 2" O.C., Add	2.60	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.31	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating	38.57	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	60.25	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	23.26	
For Crossbars At 2" O.C., Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.40	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating	42.43	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.70	
For 304 Stainless Steel, Add	66.65	
Note: Bearing bars at 1-3/16" O.C. and crossbars at 4" O.C.		
For Bearing Bars At 15/16" O.C., Add	25.73	
For Crossbars At 2" O.C., Add	3.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.50	
05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" O.C., crossbars at 4" O.C., bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	11.79	0.90
For Bearing Bars At 15/16" O.C., Add	6.38	
For Crossbars At 2" O.C., Add	0.80	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.47	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	15.13	0.90
For Bearing Bars At 15/16" O.C., Add	8.52	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.55	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	13.29	0.90
For Bearing Bars At 15/16" O.C., Add	7.34	
For Crossbars At 2" O.C., Add	0.92	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.51	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	17.37	0.90
For Bearing Bars At 15/16" O.C., Add	9.95	
For Crossbars At 2" O.C., Add	1.24	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.61	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	15.07	0.90
For Bearing Bars At 15/16" O.C., Add	8.48	
For Crossbars At 2" O.C., Add	1.06	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	19.78	0.90
For Bearing Bars At 15/16" O.C., Add	11.49	
For Crossbars At 2" O.C., Add	1.44	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.67	
05 53 13 00-0060 SF 1-3/4" x 3/16" Aluminum, Swaged Grating.....	22.55	0.90
For Bearing Bars At 15/16" O.C., Add	13.27	
For Crossbars At 2" O.C., Add	1.66	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.74	
05 53 13 00-0061 SF 2" x 3/16" Aluminum, Swaged Grating.....	25.31	0.90
For Bearing Bars At 15/16" O.C., Add	15.03	
For Crossbars At 2" O.C., Add	1.88	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.81	
05 53 13 00-0062 SF 2-1/4" x 3/16" Aluminum, Swaged Grating.....	28.08	0.90
For Bearing Bars At 15/16" O.C., Add	16.81	
For Crossbars At 2" O.C., Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.88	
05 53 13 00-0063 SF 2-1/2" x 3/16" Aluminum, Swaged Grating.....	30.83	0.90
For Bearing Bars At 15/16" O.C., Add	18.57	
For Crossbars At 2" O.C., Add	2.32	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.94	
05 53 13 00-0064 Riveted Grating <small>(05 53 13)</small>		
Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065 Steel, Riveted Grating <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066 SF 3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	41.58	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.91	
For 304 Stainless Steel, Add	34.15	
For 5/8" Clear Opening, Add	13.72	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.21	
05 53 13 00-0067 SF 3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	48.86	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.26	
For 304 Stainless Steel, Add	40.41	
For 5/8" Clear Opening, Add	16.23	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.40	
05 53 13 00-0068 SF 1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	44.93	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.07	
For 304 Stainless Steel, Add	37.03	
For 5/8" Clear Opening, Add	14.87	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.30	
05 53 13 00-0069 SF 1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	51.63	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.39	
For 304 Stainless Steel, Add	42.79	
For 5/8" Clear Opening, Add	17.18	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.46	
05 53 13 00-0070 SF 1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	47.71	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.20	
For 304 Stainless Steel, Add	39.42	
For 5/8" Clear Opening, Add	15.83	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.37	
05 53 13 00-0071 SF 1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	56.80	0.90
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	47.23	
For 5/8" Clear Opening, Add	18.97	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.59	
05 53 13 00-0072 SF 1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	50.79	1.12
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.33	
For 304 Stainless Steel, Add	41.71	
For 5/8" Clear Opening, Add	16.75	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073	SF			1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	60.51	1.12
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	2.80	
				<i>For 304 Stainless Steel, Add</i>	50.06	
				<i>For 5/8" Clear Opening, Add</i>	20.11	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-2.95	
05 53 13 00-0074	SF			1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	65.47	1.12
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.04	
				<i>For 304 Stainless Steel, Add</i>	54.32	
				<i>For 5/8" Clear Opening, Add</i>	21.82	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.08	
05 53 13 00-0075	SF			2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	76.54	1.12
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.57	
				<i>For 304 Stainless Steel, Add</i>	63.83	
				<i>For 5/8" Clear Opening, Add</i>	25.64	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.35	
05 53 13 00-0076	SF			2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	80.39	1.12
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.75	
				<i>For 304 Stainless Steel, Add</i>	67.14	
				<i>For 5/8" Clear Opening, Add</i>	26.97	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.45	
05 53 13 00-0077	SF			2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	83.83	1.12
				<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
				<i>For Galvanized Steel, Add</i>	3.92	
				<i>For 304 Stainless Steel, Add</i>	70.09	
				<i>For 5/8" Clear Opening, Add</i>	28.15	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.53	
05 53 13 00-0078				Aluminum, Riveted Grating (05 53 13 00-0064)		
				Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079	SF			3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating.....	24.59	0.90
				<i>For 5/8" Clear Opening, Add</i>	7.86	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.79	
05 53 13 00-0080	SF			3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating.....	29.10	0.90
				<i>For 5/8" Clear Opening, Add</i>	9.41	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.90	
05 53 13 00-0081	SF			1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating.....	27.00	0.90
				<i>For 5/8" Clear Opening, Add</i>	8.69	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.85	
05 53 13 00-0082	SF			1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating.....	31.40	0.90
				<i>For 5/8" Clear Opening, Add</i>	10.21	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.96	
05 53 13 00-0083	SF			1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating.....	30.22	0.90
				<i>For 5/8" Clear Opening, Add</i>	9.80	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.93	
05 53 13 00-0084	SF			1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating.....	36.33	0.90
				<i>For 5/8" Clear Opening, Add</i>	11.91	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.08	
05 53 13 00-0085	SF			1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating.....	32.42	0.90
				<i>For 5/8" Clear Opening, Add</i>	10.56	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-1.98	
05 53 13 00-0086	SF			1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating.....	40.18	0.90
				<i>For 5/8" Clear Opening, Add</i>	13.23	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.18	
05 53 13 00-0087	SF			1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating.....	44.24	0.90
				<i>For 5/8" Clear Opening, Add</i>	14.63	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.28	
05 53 13 00-0088	SF			2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	52.60	0.90
				<i>For 5/8" Clear Opening, Add</i>	17.52	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.49	
05 53 13 00-0089	SF			2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	57.33	0.90
				<i>For 5/8" Clear Opening, Add</i>	19.15	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.61	
05 53 13 00-0090	SF			2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	63.69	0.90
				<i>For 5/8" Clear Opening, Add</i>	21.35	
				<i>For Serrated Wear Surface, Add</i>	0.16	
				<i>For Set In Place Without Bolting, Deduct</i>	-2.77	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

05 53 16 Plank Gratings (05 53)

05 53 16 00-0001 Grate-Lock Steel Plank Grating (05 53 16)

Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	9.32	0.70
		<i>For Stair Tread Application, Add</i>	1.14	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.02	0.86
		<i>For Stair Tread Application, Add</i>	1.26	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	10.60	0.94
		<i>For Stair Tread Application, Add</i>	1.35	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	11.56	1.04
		<i>For Stair Tread Application, Add</i>	1.47	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	11.30	0.78
		<i>For Stair Tread Application, Add</i>	1.37	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	12.10	0.94
		<i>For Stair Tread Application, Add</i>	1.50	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	13.83	0.90
		<i>For Stair Tread Application, Add</i>	1.66	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	14.83	1.12
		<i>For Stair Tread Application, Add</i>	1.82	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	16.00	1.41
		<i>For Stair Tread Application, Add</i>	2.02	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	17.69	1.57
		<i>For Stair Tread Application, Add</i>	2.24	

05 54 Metal Floor Plates (05 50)

05 54 00 00-0001 Steel Floor Plates (05 54)

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	10.75	1.08
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	12.21	1.08
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	15.16	1.08
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates.....	20.21	1.16
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates.....	25.50	1.24

05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	15.65	0.90
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	17.94	1.08
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	20.26	1.16

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	26.43	1.24
		<i>For 316 Stainless Steel, Add</i>	7.38	
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	31.58	1.41
		<i>For 316 Stainless Steel, Add</i>	8.86	
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	40.89	1.65
		<i>For 316 Stainless Steel, Add</i>	11.57	

05 55 Metal Stair Treads And Nosings (05 50)

05 55 13 Metal Stair Treads (05 55)

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	37.99	4.31
		<i>For 3/8" Thick, Add</i>	7.77	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	41.67	4.31
		<i>For 3/8" Thick, Add</i>	8.69	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	45.34	4.31
		<i>For 3/8" Thick, Add</i>	9.61	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	49.03	4.31
		<i>For 3/8" Thick, Add</i>	10.53	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	52.69	4.31
		<i>For 3/8" Thick, Add</i>	11.45	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads (05 55 13)

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	52.26	4.31
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	57.71	4.31
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	63.17	4.31
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	68.62	4.31
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread.....	74.08	4.31

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads (05 55 13)

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.



Metals	05	05
Metal Fabrications	05 50	
Metal Stair Treads And Nosings	05 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	20.79	4.31
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	24.12	4.31
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread.....	25.59	4.31
05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	29.99	4.31
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	30.26	4.31
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	36.26	4.31
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	41.51	4.31
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread.....	48.36	4.31
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
<i>For Two Color Tread, Add</i>	1.74	
05 55 13 00-0023 Stair Landing Treads <small>(05 55 13)</small>		
05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads.....	52.69	4.31
<i>For 3/8" Thick, Add</i>	11.45	
05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads.....	74.08	4.31
05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	48.96	4.31
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	2.31	
05 55 13 00-0030 Open Cast Iron Stair Tread <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread.....	371.85	33.03
<i>For Closed Riser, Add</i>	31.65	
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread.....	420.41	37.99
<i>For Closed Riser, Add</i>	35.66	
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread.....	464.93	44.59
<i>For Closed Riser, Add</i>	39.38	
05 55 16 Metal Stair Nosings <small>(05 55)</small>		
05 55 16 00-0001 Abrasive Cast Aluminum Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	16.45	2.94
<i>For 3/8" Thick, Add</i>	2.94	
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	20.01	2.94
<i>For 3/8" Thick, Add</i>	3.83	
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing.....	27.92	2.94
<i>For 3/8" Thick, Add</i>	5.80	
05 55 16 00-0005 Abrasive Cast Iron Nosings <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	19.05	2.94
<i>For 3/8" Thick, Add</i>	3.59	
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	23.42	2.94
<i>For 3/8" Thick, Add</i>	4.68	
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	32.06	2.94
<i>For 3/8" Thick, Add</i>	6.84	
05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings <small>(05 55 16)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	14.05	2.94

05 Metals**05 50 Metal Fabrications****05 55 Metal Stair Treads And Nosings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0011	LF		3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.76	2.94
05 55 16 00-0012	LF		4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	17.07	2.94
05 55 16 00-0013	LF		6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	21.13	2.94
05 55 16 00-0014	LF		1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	14.51	2.94
05 55 16 00-0015	LF		3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	15.97	2.94
05 55 16 00-0016	LF		4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	17.41	2.94
05 55 16 00-0017	LF		3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	16.53	2.94
05 56 Metal Castings (05 50)					
05 56 00 00-0001 Castings (05 56)					
05 56 00 00-0002	LB		Up To 150 LB, Miscellaneous Castings, Light Section.....	3.04	0.41
05 56 00 00-0003	LB		>150 LB, Miscellaneous Castings, Heavy Section.....	4.97	0.33
05 58 Formed Metal Fabrications (05 50)					
05 58 16 Formed Metal Enclosures (05 58)					
05 58 16 00-0001 Drip Pan (05 58 16)					
05 58 16 00-0002	SF		Stainless Steel Drip Pan.....	39.68	4.31
05 58 16 00-0003	SF		Galvanized Steel Drip Pan.....	29.27	4.31
05 58 16 00-0004	SF		Aluminum Drip Pan.....	15.26	3.45
05 58 16 00-0005	SF		Plastic Drip Pan.....	11.18	3.02
05 58 23 Formed Metal Guards (05 58)					
05 58 23 00-0001 Protective Guard Rails (05 58 23)					
Note: Includes painted finish.					
05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)					
Note: Steel King Armor Guard.					
05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0002)					
Note: Excludes posts. Includes fasteners.					
05 58 23 00-0004	EA		1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	109.22	14.10
05 58 23 00-0005	EA		2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	127.61	14.10
05 58 23 00-0006	EA		3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	144.96	14.10
05 58 23 00-0007	EA		4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	163.34	14.10
05 58 23 00-0008	EA		5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	180.79	14.10
05 58 23 00-0009	EA		6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	203.40	14.10
05 58 23 00-0010	EA		7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	218.80	14.10
05 58 23 00-0011	EA		8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	242.66	14.10
05 58 23 00-0012	EA		9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	258.31	14.10
05 58 23 00-0013	EA		10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	269.49	14.10
05 58 23 00-0014 Posts For 2-Rib Guard Rails (05 58 23 00-0002)					
Note: Includes drilling, surface mounting plate and anchors.					
05 58 23 00-0015	EA		12" Height, Single Rail Post For 2-Rib Guard Rails.....	221.75	29.38
05 58 23 00-0016	EA		42" Height, Triple Rail Post For 2-Rib Guard Rails.....	285.61	29.38
05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0001)					
Note: Steel King Steel Guard.					
05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)					
Note: Excludes posts. Includes fasteners.					
05 58 23 00-0019	EA		1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	120.31	14.10
05 58 23 00-0020	EA		2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	132.53	14.10
05 58 23 00-0021	EA		3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	147.79	14.10
05 58 23 00-0022	EA		4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	162.05	14.10
05 58 23 00-0023	EA		5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	178.55	14.10
05 58 23 00-0024	EA		6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	186.50	14.10
05 58 23 00-0025	EA		7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	205.63	14.10
05 58 23 00-0026	EA		8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	221.78	14.10
05 58 23 00-0027	EA		9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	238.93	14.10
05 58 23 00-0028	EA		10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	256.32	14.10
05 58 23 00-0029 Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)					
Note: Excludes posts. Includes fasteners and lift-out mounting plate.					
05 58 23 00-0030	EA		1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	175.32	14.10
05 58 23 00-0031	EA		2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	188.74	14.10
05 58 23 00-0032	EA		3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	202.65	14.10
05 58 23 00-0033	EA		4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	218.80	14.10
05 58 23 00-0034	EA		5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	234.95	14.10
05 58 23 00-0035	EA		6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	248.12	14.10
05 58 23 00-0036	EA		7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	263.28	14.10
05 58 23 00-0037	EA		8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	280.42	14.10
05 58 23 00-0038	EA		9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	298.81	14.10



Metals	05	05
Metal Fabrications	05 50	
Formed Metal Fabrications	05 58	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0039 EA 10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	314.96	14.10
05 58 23 00-0040 Posts For 3-Rib Guard Rails (05 58 23 00-0017) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041 EA 18" Height, Single Rail Post For 3-Rib Guard Rails.....	196.31	29.38
05 58 23 00-0042 EA 42" Height, Double Rail Post For 3-Rib Guard Rails.....	248.09	29.38
05 58 23 00-0043 All-Welded, Protective Guards (05 58 23) Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044 All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0045 EA 36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	256.49	39.17
05 58 23 00-0046 EA 48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	268.91	39.17
05 58 23 00-0047 EA 36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	276.12	39.17
05 58 23 00-0048 EA 48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	286.80	39.17
05 58 23 00-0049 EA 36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	284.32	39.17
05 58 23 00-0050 EA 48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	297.49	39.17
05 58 23 00-0051 EA 36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	301.21	39.17
05 58 23 00-0052 EA 48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	305.44	39.17
05 58 23 00-0053 EA 48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	325.56	39.17
05 58 23 00-0054 Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)		
05 58 23 00-0055 EA 24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	333.52	39.17
05 58 23 00-0056 EA 30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	348.42	39.17
05 58 23 00-0057 EA 24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	354.64	39.17
05 58 23 00-0058 EA 30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	385.20	39.17
05 58 23 00-0059 Warehouse Safety Bollards (05 58 23) Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060 EA 24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	163.23	29.38
05 58 23 00-0061 EA 36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	187.78	29.38
05 58 23 00-0062 EA 42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	213.77	29.38
05 58 23 00-0063 EA 36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	220.87	29.38
05 58 23 00-0064 EA 42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard.....	237.27	29.38
05 59 Metal Specialties (05 50)		
05 59 65 Chain (05 59)		
05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length (05 59 65) Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002 LF 3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	3.77	0.80
For Plastic Dipped, Add	0.33	
05 59 65 00-0003 LF 1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	5.06	1.07
For Plastic Dipped, Add	0.44	
05 59 65 00-0004 LF 3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.21	2.13
For Plastic Dipped, Add	0.59	
05 59 65 00-0005 LF 1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	13.25	3.59
For Plastic Dipped, Add	0.91	
05 59 65 00-0006 LF 5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	22.37	6.07
For Plastic Dipped, Add	1.53	
05 59 65 00-0007 LF 3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	31.40	8.52
For Plastic Dipped, Add	2.15	
05 59 65 00-0008 LF 7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	42.36	10.65
For Plastic Dipped, Add	3.16	
05 59 65 00-0009 LF 1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	60.68	14.19
For Plastic Dipped, Add	4.84	
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	97.84	21.30
For Plastic Dipped, Add	8.29	

END OF SECTION 05

05	05	Metals
	05 50	Metal Fabrications
	05 59	Metal Specialties



MINOR				
CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

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Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 Finishes

09 90 Painting And Coating⁽⁰⁹⁾

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in.

09 91 Painting^(09 90)

09 91 13 Exterior Painting^(09 91)

Note: Acrylic latex paint unless otherwise stated.

09 91 13 00-0001 Walls/Siding^(09 91 13)

09 91 13 00-0002 Brick Surfaces^(09 91 13 00-0001)

09 91 13 00-0003	SF Paint Exterior Brick 1 Coat Filler, Brush Work	0.73
	For Oil Based Paint, Add	0.04
	For Work >20', Add	0.15
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.47
	For >100 To 250, Add	0.22
	For >250 To 500, Add	0.10
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.07
	For >10,000 To 20,000, Deduct	-0.11
	For >20,000, Deduct	-0.15
09 91 13 00-0004	SF Paint Exterior Brick 1 Coat Paint, Brush Work	1.04
	For Oil Based Paint, Add	0.06
	For Work >20', Add	0.22
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.69
	For >100 To 250, Add	0.33
	For >250 To 500, Add	0.14
	For >2,500 To 5,000, Deduct	-0.05
	For >5,000 To 10,000, Deduct	-0.10
	For >10,000 To 20,000, Deduct	-0.16
	For >20,000, Deduct	-0.21
09 91 13 00-0005	SF Paint Exterior Brick 2 Coats Paint, Brush Work	1.51
	For Oil Based Paint, Add	0.09
	For Work >20', Add	0.30
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.95
	For >100 To 250, Add	0.45
	For >250 To 500, Add	0.20
	For >2,500 To 5,000, Deduct	-0.08
	For >5,000 To 10,000, Deduct	-0.15
	For >10,000 To 20,000, Deduct	-0.23
	For >20,000, Deduct	-0.30
09 91 13 00-0006	SF Paint Exterior Brick 1 Coat Filler, Brush/Roller Work	0.48
	For Oil Based Paint, Add	0.03
	For Work >20', Add	0.09
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.28
	For >100 To 250, Add	0.14
	For >250 To 500, Add	0.06
	For >2,500 To 5,000, Deduct	-0.02
	For >5,000 To 10,000, Deduct	-0.05
	For >10,000 To 20,000, Deduct	-0.07
	For >20,000, Deduct	-0.10
09 91 13 00-0007	SF Paint Exterior Brick 1 Coat Paint, Brush/Roller Work	0.80
	For Oil Based Paint, Add	0.05
	For Work >20', Add	0.15
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.49
	For >100 To 250, Add	0.23
	For >250 To 500, Add	0.10
	For >2,500 To 5,000, Deduct	-0.04
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000 To 20,000, Deduct	-0.12
	For >20,000, Deduct	-0.16
09 91 13 00-0008	SF Paint Exterior Brick 2 Coats Paint, Brush/Roller Work	1.18
	For Oil Based Paint, Add	0.08
	For Work >20', Add	0.21
	Note: Applied only to work area above 20'.	
	For Up To 100, Add	0.68
	For >100 To 250, Add	0.33
	For >250 To 500, Add	0.14
	For >2,500 To 5,000, Deduct	-0.06
	For >5,000 To 10,000, Deduct	-0.12
	For >10,000 To 20,000, Deduct	-0.18
	For >20,000, Deduct	-0.24



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009	SF		Paint Exterior Brick 1 Coat Filler, Spray.....	0.49	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.09	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.10	
09 91 13 00-0010	SF		Paint Exterior Brick 1 Coat Paint, Spray.....	0.47	
			For Oil Based Paint, Add	0.03	
			For Work >20', Add	0.07	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.23	
			For >100 To 250, Add	0.11	
			For >250 To 500, Add	0.05	
			For >2,500 To 5,000, Deduct	-0.02	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.07	
			For >20,000, Deduct	-0.09	
09 91 13 00-0011	SF		Paint Exterior Brick 2 Coats Paint, Spray.....	1.02	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.55	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0012			Concrete Surface (09 91 13 00-0001)		
09 91 13 00-0013	SF		Paint Exterior Concrete, 1 Coat Filler, Brush Work.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0014	SF		Paint Exterior Concrete, 1 Coat Paint, Brush Work.....	0.68	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0015	SF		Paint Exterior Concrete, 2 Coats Paint, Brush Work.....	1.27	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0016	SF		Paint Exterior Concrete, 1 Coat Filler, Brush/Roller Work.....	0.50	
			For Oil Based Paint, Add	0.03	
			For Epoxy Paint, Add	0.06	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.31	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0017 SF Paint Exterior Concrete, 1 Coat Paint, Brush/Roller Work	0.58	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0018 SF Paint Exterior Concrete, 2 Coats Paint, Brush/Roller Work	0.96	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0019 SF Paint Exterior Concrete, 1 Coat Filler, Spray	0.43	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.09	
09 91 13 00-0020 SF Paint Exterior Concrete, 1 Coat Paint, Spray	0.40	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.06	
For >20,000, Deduct	-0.08	
09 91 13 00-0021 SF Paint Exterior Concrete, 2 Coats Paint, Spray	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.10	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0022 Concrete Block Surfaces (09 91 13 00-0001)		
09 91 13 00-0023 Concrete Block, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024 SF Paint Exterior Concrete Block, 1 Coat Filler, Brush Work	0.86	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0025 SF Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush	0.99	
For Work >20', Add	0.20	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0026	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush Work.....	1.74	
			For Work >20', Add	0.34	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.35	
09 91 13 00-0027	SF		Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.70	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0028	SF		Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Brush/Roller Work.....	0.78	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0029	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Brush/Roller Work.....	1.38	
			For Work >20', Add	0.25	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0030	SF		Paint Exterior Concrete Block, 1 Coat Filler, Sprayed.....	0.68	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0031	SF		Paint Exterior Concrete Block, 1 Coat Epoxy Paint, Sprayed.....	0.63	
			For Work >20', Add	0.10	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.33	
			For >100 To 250, Add	0.16	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0032	SF		Paint Exterior Concrete Block, 2 Coats Epoxy Paint, Sprayed.....	1.21	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0033			Concrete Block Surfaces, Acrylic Latex Paint (09 91 13 00-0022)		
09 91 13 00-0034	SF		Paint Exterior Concrete Block, 1 Coat Filler, Brush Work.....	0.80	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0035 SF Paint Exterior Concrete Block, 1 Coat Paint, Brush Work.....	0.94	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0036 SF Paint Exterior Concrete Block, 2 Coats Paint, Brush Work.....	1.72	
For Oil Based Paint, Add	0.10	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.09	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0037 SF Paint Exterior Concrete Block, Texture Coat, Brush Work.....	1.05	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0038 SF Paint Exterior Concrete Block, 1 Coat Filler, Brush/Roller Work.....	0.63	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0039 SF Paint Exterior Concrete Block, 1 Coat Paint, Brush/Roller Work.....	0.80	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0040 SF Paint Exterior Concrete Block, 2 Coats Paint, Brush/Roller Work.....	1.36	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0041 SF Paint Exterior Concrete Block, Texture Coat, Brush/Roller Work.....	0.89	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.18	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF		Paint Exterior Concrete Block, 1 Coat Filler, Spray.....	0.61	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0043	SF		Paint Exterior Concrete Block, 1 Coat Paint, Spray.....	0.63	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.13	
09 91 13 00-0044	SF		Paint Exterior Concrete Block, 2 Coats Paint, Spray.....	1.00	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0045	SF		Paint Exterior Concrete Block, Texture Coat, Spray.....	0.82	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0046			Metal Surfaces (09 91 13 00-0001)		
09 91 13 00-0047			Galvanized Surfaces, Galvanized Primer (09 91 13 00-0046)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0048	SF		Paint Exterior Galvanized Surfaces, One Coat Primer, Brush Work.....	0.75	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0049	SF		Paint Exterior Galvanized Surfaces, One Coat Paint, Brush Work.....	0.84	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0050	SF		Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush Work.....	1.51	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051 SF Paint Exterior Galvanized Surfaces, One Coat Primer, Brush/Roller Work	0.56	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0052 SF Paint Exterior Galvanized Surfaces, One Coat Paint, Brush/Roller Work	0.65	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0053 SF Paint Exterior Galvanized Surfaces, Two Coats Paint, Brush/Roller Work	1.20	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0054 SF Paint Exterior Galvanized Surfaces, One Primer, Sprayed.....	0.44	
For Work >20', Add	0.07	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0055 SF Paint Exterior Galvanized Surfaces, One Paint, Sprayed.....	0.61	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0056 SF Paint Exterior Galvanized Surfaces, Two Coats Paint, Sprayed.....	0.99	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0057 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 13 00-0046)		
Note: Alkyd enamel paint.		
09 91 13 00-0058 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush Work.....	0.75	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0059 SF Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush Work.....	0.84	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0060	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush Work	1.51	
			For Work >20', Add	0.30	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0061	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Primer, Brush/Roller Work	0.60	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0062	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Brush/Roller Work.....	0.69	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0063	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Brush/Roller Work	1.28	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.76	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.26	
09 91 13 00-0064	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat, Sprayed.....	0.50	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.27	
			For >100 To 250, Add	0.13	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.10	
09 91 13 00-0065	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, One Coat Paint, Sprayed	0.61	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0066	SF		Paint Exterior Aluminum And Aluminum Alloy Surface, Two Coats Paint, Sprayed.....	0.99	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0067			Aluminum And Aluminum Alloy, Heat Resistant (09 91 13 00-0046)		
09 91 13 00-0068	LF		Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Primer, Per LF Of Stack	10.68	
			For Work >20', Add	2.46	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	7.49	
			For >100 To 250, Add	3.52	
			For >250 To 500, Add	1.52	
			For >2,500 To 5,000, Deduct	-0.53	
			For >5,000 To 10,000, Deduct	-1.07	
			For >10,000 To 20,000, Deduct	-1.60	
			For >20,000, Deduct	-2.14	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, One Coat Paint, Per LF Of Stack	11.88	
For Work >20', Add	2.73	
Note: Applied only to work area above 20'.		
For Up To 100, Add	8.33	
For >100 To 250, Add	3.92	
For >250 To 500, Add	1.69	
For >2,500 To 5,000, Deduct	-0.59	
For >5,000 To 10,000, Deduct	-1.19	
For >10,000 To 20,000, Deduct	-1.78	
For >20,000, Deduct	-2.38	
09 91 13 00-0070 LF Paint Exterior Aluminum Roof Stack With Heat Resistant Paint, Two Coats Paint, Per LF Of Stack.....	22.24	
For Work >20', Add	5.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	15.65	
For >100 To 250, Add	7.35	
For >250 To 500, Add	3.16	
For >2,500 To 5,000, Deduct	-1.11	
For >5,000 To 10,000, Deduct	-2.22	
For >10,000 To 20,000, Deduct	-3.34	
For >20,000, Deduct	-4.45	
09 91 13 00-0071 Corrugated Metal Surfaces (09 91 13 00-0046)		
09 91 13 00-0072 SF Paint Exterior Corrugated Metal Surfaces, One Primer, Sprayed.....	0.56	
For Work >20', Add	0.09	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0073 SF Paint Exterior Corrugated Metal Surfaces, One Paint, Sprayed	0.79	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0074 SF Paint Exterior Corrugated Metal Surfaces, Two Coats Paint, Sprayed.....	1.27	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0075 Stucco Surfaces (09 91 13 00-0001)		
09 91 13 00-0076 SF Paint Exterior Stucco Surfaces One Coat Primer, Brush Work.....	1.07	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0077 SF Paint Exterior Stucco Surfaces One Coat Paint, Brush Work	1.18	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0078	SF		Paint Exterior Stucco Surfaces, Two Coats Paint, Brush Work	2.18	
			For Oil Based Paint, Add	0.12	
			For Work >20', Add	0.47	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.46	
			For >100 To 250, Add	0.69	
			For >250 To 500, Add	0.30	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0079	SF		Paint Exterior Stucco Surfaces One Coat Primer, Brush/Roller Work.....	0.81	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.53	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.16	
09 91 13 00-0080	SF		Paint Exterior Stucco Surfaces One Coat Paint, Brush/Roller Work.....	0.92	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0081	SF		Paint Exterior Stucco Surfaces, Two Coats Paint, Brush/Roller Work.....	1.68	
			For Oil Based Paint, Add	0.10	
			For Work >20', Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0082	SF		Paint Exterior Stucco Surfaces One Coat Primer, Sprayed.....	0.70	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	
09 91 13 00-0083	SF		Paint Exterior Stucco Surfaces One Coat Paint, Sprayed.....	0.74	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.14	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0084	SF		Paint Exterior Stucco Surfaces, Two Coats Paint, Sprayed.....	1.44	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.28	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.42	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	

09 91 13 00-0085 Wood Surfaces (09 91 13 00-0001)

09 91 13 00-0086 Smooth Wood (09 91 13 00-0085)

Note: Includes tongue and groove, beveled, drop or board and batten siding.



	Finishes	09
	Painting And Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0087 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Brush Work	0.78	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0088 SF Paint Exterior Wood Smooth Siding, One Coat Paint, Brush Work.....	0.82	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0089 SF Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush Work.....	1.46	
For Oil Based Paint, Add	0.09	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0090 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0091 SF Paint Exterior Wood Smooth Siding, One Coat Paint, Brush/Roller Work	0.67	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0092 SF Paint Exterior Wood Smooth Siding, Two Coats Paint, Brush/Roller Work	1.24	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0093 SF Paint Exterior Wood Smooth Siding, One Coat Primer, Sprayed.....	0.50	
For Oil Based Paint, Add	0.03	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0094	SF		Paint Exterior Wood Smooth Siding, One Coat Paint, Sprayed.....	0.61	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0095	SF		Paint Exterior Wood Smooth Siding, Two Coats Paint, Sprayed.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 13 00-0096			Rough Wood (09 91 13 00-0085)		
			Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0097	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush Work.....	1.20	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0098	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush Work.....	1.21	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.27	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.83	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0099	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush Work.....	2.24	
			For Oil Based Paint, Add	0.13	
			For Work >20', Add	0.50	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.52	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	
09 91 13 00-0100	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Brush/Roller Work.....	1.05	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0101	SF		Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Brush/Roller Work.....	1.14	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.22	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0102 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Brush/Roller Work.....	2.10	
For Oil Based Paint, Add	0.13	
For Work >20', Add	0.39	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.24	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.42	
09 91 13 00-0103 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Primer, Sprayed.....	0.79	
For Oil Based Paint, Add	0.05	
For Work >20', Add	0.14	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0104 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, One Coat Paint, Sprayed.....	0.89	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.16	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0105 SF Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, Two Coats Paint, Sprayed.....	1.67	
For Oil Based Paint, Add	0.11	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.97	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.33	
09 91 13 00-0106 Vinyl Surfaces <small>(09 91 13 00-0001)</small>		
09 91 13 00-0107 SF Paint Exterior Vinyl Siding, One Coat Primer, Brush Work.....	0.67	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0108 SF Paint Exterior Vinyl Siding, One Coat Paint, Brush Work.....	0.74	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0109 SF Paint Exterior Vinyl Siding, Two Coats Paint, Brush Work.....	1.35	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0110	SF		Paint Exterior Vinyl Siding, One Coat Primer, Brush/Roller Work.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0111	SF		Paint Exterior Vinyl Siding, One Coat Paint, Brush/Roller Work.....	0.60	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.35	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0112	SF		Paint Exterior Vinyl Siding, Two Coats Paint, Brush/Roller Work.....	1.11	
			For Oil Based Paint, Add	0.07	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 13 00-0113	SF		Paint Exterior Vinyl Siding, One Coat Primer, Sprayed.....	0.54	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.28	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 20,000, Deduct	-0.08	
			For >20,000, Deduct	-0.11	
09 91 13 00-0114	SF		Paint Exterior Vinyl Siding, One Coat Paint, Sprayed.....	0.61	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.08	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.29	
			For >100 To 250, Add	0.14	
			For >250 To 500, Add	0.06	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0115	SF		Paint Exterior Vinyl Siding, Two Coats Paint, Sprayed.....	1.19	
			For Oil Based Paint, Add	0.09	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0116			Ceilings (09 91 13)		
09 91 13 00-0117			Concrete (09 91 13 00-0116)		
09 91 13 00-0118	SF		Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush Work.....	0.71	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.07	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.14	



Finishes	09	2
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush Work.....	0.78	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.07	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0120 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush Work.....	1.38	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.12	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0121 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Brush/Roller Work.....	0.54	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0122 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0123 SF Paint Exterior Concrete Ceiling, 2 Coats Paint, Brush/Roller Work.....	1.11	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Work >20', Add	0.24	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0124 SF Paint Exterior Concrete Ceiling, 1 Coat Filler, Spray.....	0.46	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.08	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0125 SF Paint Exterior Concrete Ceiling, 1 Coat Paint, Spray.....	0.55	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	

09 Finishes

09 90 Painting And Coating

09 91 Painting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0126	SF		Paint Exterior Concrete Ceiling, 2 Coats Paint, Spray	0.86	
			For Oil Based Paint, Add	0.05	
			For Epoxy Paint, Add	0.11	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0127			Wood <small>(09 91 13 00-0116)</small>		
09 91 13 00-0128			Smooth Wood <small>(09 91 13 00-0127)</small>		
			Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0129	SF		Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush Work	0.87	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.18	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0130	SF		Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush Work	0.90	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0131	SF		Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush Work	1.64	
			For Oil Based Paint, Add	0.10	
			For Work >20', Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 13 00-0132	SF		Paint Exterior Wood Smooth Ceiling, One Coat Primer, Brush/Roller Work	0.69	
			For Oil Based Paint, Add	0.04	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0133	SF		Paint Exterior Wood Smooth Ceiling, One Coat Paint, Brush/Roller Work	0.75	
			For Oil Based Paint, Add	0.05	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.11	
			For >20,000, Deduct	-0.15	
09 91 13 00-0134	SF		Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Brush/Roller Work	1.33	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0135 SF Paint Exterior Wood Smooth Ceiling, One Coat Primer, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0136 SF Paint Exterior Wood Smooth Ceiling, One Coat Paint, Sprayed.....	0.57	
For Oil Based Paint, Add	0.04	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0137 SF Paint Exterior Wood Smooth Ceiling, Two Coats Paint, Sprayed.....	1.03	
For Oil Based Paint, Add	0.06	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.21	
09 91 13 00-0138 Rough Wood <small>(09 91 13 00-0127)</small>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0139 SF Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush Work.....	1.29	
For Oil Based Paint, Add	0.08	
For Work >20', Add	0.27	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0140 SF Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush Work.....	1.34	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.30	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0141 SF Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush Work.....	2.33	
For Oil Based Paint, Add	0.13	
For Work >20', Add	0.52	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.59	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 13 00-0142 SF Paint Exterior Wood Rough Ceiling, One Coat Primer, Brush/Roller Work.....	1.14	
For Oil Based Paint, Add	0.07	
For Work >20', Add	0.22	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0143	SF		Paint Exterior Wood Rough Ceiling, One Coat Paint, Brush/Roller Work	1.22	
			For Oil Based Paint, Add	0.08	
			For Work >20', Add	0.24	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0144	SF		Paint Exterior Wood Rough Ceiling, Two Coats Paint, Brush/Roller Work	2.18	
			For Oil Based Paint, Add	0.14	
			For Work >20', Add	0.41	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.30	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0145	SF		Paint Exterior Wood Rough Ceiling, One Coat Primer, Sprayed.....	0.89	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.16	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 13 00-0146	SF		Paint Exterior Wood Rough Ceiling, One Coat Paint, Sprayed.....	1.01	
			For Oil Based Paint, Add	0.06	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0147	SF		Paint Exterior Wood Rough Ceiling, Two Coats Paint, Sprayed	1.79	
			For Oil Based Paint, Add	0.11	
			For Work >20', Add	0.33	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.36	
09 91 13 00-0148			Metal (09 91 13 00-0116)		
09 91 13 00-0149			Galvanized Surfaces, Galvanized Primer (09 91 13 00-0148)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0150	SF		Paint Exterior Galvanized Ceiling, One Coat Primer, Brush Work	0.84	
			For Work >20', Add	0.17	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0151	SF		Paint Exterior Galvanized Ceiling, One Coat Paint, Brush Work	0.92	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0152 SF Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush Work.....	1.68	
For Work >20', Add	0.35	
Note: Applied only to work area above 20'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 91 13 00-0153 SF Paint Exterior Galvanized Ceiling, One Coat Primer, Brush/Roller Work.....	0.64	
For Work >20', Add	0.13	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0154 SF Paint Exterior Galvanized Ceiling, One Coat Paint, Brush/Roller Work.....	0.72	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0155 SF Paint Exterior Galvanized Ceiling, Two Coats Paint, Brush/Roller Work.....	1.27	
For Work >20', Add	0.26	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.25	
09 91 13 00-0156 SF Paint Exterior Galvanized Ceiling, One Primer, Sprayed.....	0.61	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0157 SF Paint Exterior Galvanized Ceiling, One Paint, Sprayed.....	0.61	
For Work >20', Add	0.11	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0158 SF Paint Exterior Galvanized Ceiling, Two Coats Paint, Sprayed.....	1.11	
For Work >20', Add	0.19	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0159 Aluminum And Aluminum Alloy Surface Pretreatment Primer (09 91 13 00-0148)		
Note: Alkyd enamel paint.		
09 91 13 00-0160 SF Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush Work.....	0.84	
For Work >20', Add	0.17	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush Work	0.92	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 13 00-0162	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush Work.....	1.68	
			For Work >20', Add	0.35	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	1.08	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0163	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Primer, Brush/Roller Work.....	0.69	
			For Work >20', Add	0.13	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.42	
			For >100 To 250, Add	0.20	
			For >250 To 500, Add	0.09	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.14	
09 91 13 00-0164	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Brush/Roller Work	0.77	
			For Work >20', Add	0.15	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 20,000, Deduct	-0.12	
			For >20,000, Deduct	-0.15	
09 91 13 00-0165	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Brush/Roller Work	1.37	
			For Work >20', Add	0.26	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.27	
09 91 13 00-0166	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat, Sprayed.....	0.61	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0167	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, One Coat Paint, Sprayed.....	0.61	
			For Work >20', Add	0.11	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.36	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0168	SF		Paint Exterior Aluminum And Aluminum Alloy Ceiling, Two Coats Paint, Sprayed.....	1.11	
			For Work >20', Add	0.19	
			Note: Applied only to work area above 20'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	

09 91 13 00-0169 Corrugated Metal Surfaces (09 91 13 00-0148)



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF Paint Exterior Corrugated Metal Ceiling, One Primer, Sprayed.....	0.67	
For Work >20', Add	0.12	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0171 SF Paint Exterior Corrugated Metal Ceiling, One Paint, Sprayed.....	0.79	
For Work >20', Add	0.15	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0172 SF Paint Exterior Corrugated Metal Ceiling, Two Coats Paint, Sprayed	1.40	
For Work >20', Add	0.25	
Note: Applied only to work area above 20'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0173 Floors (09 91 13)		
09 91 13 00-0174 Concrete (09 91 13 00-0173)		
09 91 13 00-0175 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush Work.....	0.54	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.11	
09 91 13 00-0176 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush Work	0.61	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0177 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush Work.....	1.11	
For Oil Based Paint, Add	0.06	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0178 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Brush/Roller Work.....	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0179 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Brush/Roller Work.....	0.52	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.05	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.08	
For >20,000, Deduct	-0.10	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0180 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Brush/Roller Work	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0181 SF Paint Exterior Concrete Floors And Decks, One Coat Primer, Sprayed.....	0.34	
For Oil Based Paint, Add	0.02	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.09	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
09 91 13 00-0182 SF Paint Exterior Concrete Floors And Decks, One Coat Paint, Sprayed.....	0.44	
For Oil Based Paint, Add	0.03	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0183 SF Paint Exterior Concrete Floors And Decks, Two Coats Paint, Sprayed.....	0.76	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0184 SF Paint Exterior Concrete Floors And Decks, One Coat Non Slip Paint, Brush/Roller Work.....	1.23	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0185 SF Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work.....	2.75	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.55	
09 91 13 00-0186 SF Paint Exterior Concrete Floors And Decks, One Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work.....	3.40	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.34	
For >10,000 To 20,000, Deduct	-0.51	
For >20,000, Deduct	-0.68	
09 91 13 00-0187 Wood <small>(09 91 13 00-0173)</small>	0.67	
09 91 13 00-0188 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Brush Work	0.67	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0189 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Brush Work.....	0.73	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190 SF Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush Work.....	1.37	
For Oil Based Paint, Add	0.08	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.27	
09 91 13 00-0191 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Brush/Roller Work.....	0.61	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0192 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Brush/Roller Work.....	0.59	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0193 SF Paint Exterior Wood Floors And Decks, Two Coats Paint, Brush/Roller Work.....	1.07	
For Oil Based Paint, Add	0.07	
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0194 SF Paint Exterior Wood Floors And Decks, One Coat Primer, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0195 SF Paint Exterior Wood Floors And Decks, One Coat Paint, Sprayed.....	0.46	
For Oil Based Paint, Add	0.03	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 20,000, Deduct	-0.07	
For >20,000, Deduct	-0.09	
09 91 13 00-0196 SF Paint Exterior Wood Floors And Decks, Two Coats Paint, Sprayed.....	0.91	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0197 SF Paint Exterior Wood Floors And Decks, One Coat Non Slip Paint, Brush Work.....	1.32	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0198 SF Paint Exterior Wood Floors And Decks, One Coat Non Slip Epoxy Coating, Brush Work.....	3.49	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.35	
For >10,000 To 20,000, Deduct	-0.52	
For >20,000, Deduct	-0.70	
09 91 13 00-0199 Site Work <small>(09 91 13)</small>		
Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0200 Structural Steel <small>(09 91 13 00-0199)</small>		
09 91 13 00-0201 One Field Coat Paint, Brush Work <small>(09 91 13 00-0200)</small>		

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0202	SF	Paint Structural Steel One Field Coat Primer, Brush/Roller Work.....	0.82	
			<i>For Up To 100, Add</i>	0.56	
			<i>For >100 To 250, Add</i>	0.26	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91	13 00-0203	SF	Paint Structural Steel One Field Coat Paint, Brush/Roller Work.....	0.72	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.07	
09 91	13 00-0204		One Field Coat Paint, Spray Work <small>(09 91 13 00-0200)</small>		
09 91	13 00-0205	SF	Paint Structural Steel One Field Coat Primer, Spray Work.....	0.55	
			<i>For Electrostatic Painting, Add</i>	0.07	
			<i>For Up To 100, Add</i>	0.35	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0206	SF	Paint Structural Steel One Field Coat Paint, Spray Work.....	0.44	
			<i>For Electrostatic Painting, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.27	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
			<i>For Epoxy Paint, Add</i>	0.05	
09 91	13 00-0207		Metal Decking, Beams And Bar Joist <small>(09 91 13 00-0200)</small>		
09 91	13 00-0208	SF	Paint Exposed Metal Decking, One Coat Primer, Sprayed.....	0.63	
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0209	SF	Paint Exposed Metal Decking, One Coat Paint, Sprayed.....	0.63	
			<i>For Up To 100, Add</i>	0.41	
			<i>For >100 To 250, Add</i>	0.20	
			<i>For >250 To 500, Add</i>	0.08	
			<i>For Epoxy Paint, Add</i>	0.06	
09 91	13 00-0210	SF	Paint Exposed Metal Decking, Two Coat Paint, Sprayed.....	1.03	
			<i>For Up To 100, Add</i>	0.65	
			<i>For >100 To 250, Add</i>	0.31	
			<i>For >250 To 500, Add</i>	0.13	
			<i>For Epoxy Paint, Add</i>	0.11	
09 91	13 00-0211	SF	Paint Metal Beams And Bar Joists, One Coat Primer, Brush/Roller Work.....	0.85	
			<i>For Up To 100, Add</i>	0.52	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.10	
09 91	13 00-0212	SF	Paint Metal Beams And Bar Joists, One Coat Paint, Brush/Roller Work.....	0.84	
			<i>For Up To 100, Add</i>	0.53	
			<i>For >100 To 250, Add</i>	0.25	
			<i>For >250 To 500, Add</i>	0.11	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91	13 00-0213	SF	Paint Metal Beams And Bar Joists, Two Coats Paint, Brush/Roller Work.....	1.57	
			<i>For Up To 100, Add</i>	0.98	
			<i>For >100 To 250, Add</i>	0.47	
			<i>For >250 To 500, Add</i>	0.20	
			<i>For Epoxy Paint, Add</i>	0.18	
09 91	13 00-0214	SF	Paint Metal Beams And Bar Joists, One Coat Primer, Sprayed.....	0.75	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91	13 00-0215	SF	Paint Metal Beams And Bar Joists, One Coat Paint, Sprayed.....	0.75	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
			<i>For Epoxy Paint, Add</i>	0.08	
09 91	13 00-0216	SF	Paint Metal Beams And Bar Joists, Two Coats Paint, Sprayed.....	1.25	
			<i>For Up To 100, Add</i>	0.76	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0217		Steel Pipes <small>(09 91 13 00-0199)</small>		
			Note: Includes pipe, tubes, rails, conduit, etc.		
09 91	13 00-0218	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Primer.....	1.22	
			<i>For Electrostatic Painting, Add</i>	0.14	
			<i>For Epoxy Paint, Add</i>	0.11	
09 91	13 00-0219	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Primer.....	1.37	
			<i>For Electrostatic Painting, Add</i>	0.16	
			<i>For Epoxy Paint, Add</i>	0.12	



Finishes	09	9
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0220 LF Paint Steel Pipes 4" Diameter, One Coat Primer	1.55	
For Electrostatic Painting, Add	0.19	
For Epoxy Paint, Add	0.14	
09 91 13 00-0221 LF Paint Steel Pipes 6" To 8" Diameter, One Coat Primer	1.93	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.17	
09 91 13 00-0222 LF Paint Steel Pipes 10" To 12" Diameter One Coat Primer	2.44	
For Electrostatic Painting, Add	0.29	
For Epoxy Paint, Add	0.21	
09 91 13 00-0223 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, One Coat Paint	1.22	
For Electrostatic Painting, Add	0.14	
For Epoxy Paint, Add	0.11	
09 91 13 00-0224 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, One Coat Paint	1.37	
For Electrostatic Painting, Add	0.16	
For Epoxy Paint, Add	0.12	
09 91 13 00-0225 LF Paint Steel Pipes 4" Diameter, One Coat Paint	1.55	
For Electrostatic Painting, Add	0.19	
For Epoxy Paint, Add	0.14	
09 91 13 00-0226 LF Paint Steel Pipes 6" To 8" Diameter, One Coat Paint	1.93	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.17	
09 91 13 00-0227 LF Paint Steel Pipes 10" To 12" Diameter One Coat Paint	2.44	
For Electrostatic Painting, Add	0.29	
For Epoxy Paint, Add	0.21	
09 91 13 00-0228 LF Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, Two Coats	2.44	
For Electrostatic Painting, Add	0.30	
For Epoxy Paint, Add	0.24	
09 91 13 00-0229 LF Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, Two Coats	2.73	
For Electrostatic Painting, Add	0.32	
For Epoxy Paint, Add	0.24	
09 91 13 00-0230 LF Paint Steel Pipes 4" Diameter, Two Coats	2.94	
For Electrostatic Painting, Add	0.35	
For Epoxy Paint, Add	0.26	
09 91 13 00-0231 LF Paint Steel Pipes 6" To 8" Diameter, Two Coats	3.72	
For Electrostatic Painting, Add	0.44	
For Epoxy Paint, Add	0.33	
09 91 13 00-0232 LF Paint Steel Pipes 10" To 12" Diameter, Two Coats	4.58	
For Electrostatic Painting, Add	0.55	
For Epoxy Paint, Add	0.41	
09 91 13 00-0233 Fence Painting (09 91 13 00-0199)		
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0234 SF Paint Existing Chain Link Fence, One Coat Paint, Brush/Roller	0.61	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0235 SF Paint Existing Chain Link Fence, Two Coats Paint, Brush/Roller	1.12	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 91 13 00-0236 SF Paint Existing Chain Link Fence, One Coat Paint, Spray	0.55	
For Epoxy Paint, Add	0.06	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 91 13 00-0237 SF Paint Existing Chain Link Fence, Two Coats Paint, Spray	1.01	
For Epoxy Paint, Add	0.11	
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
09 91 13 00-0238 SF Paint Wrought Iron Fence, One Coat Primer, Brush/Roller	0.54	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0239 SF Paint Wrought Iron Fence, One Coat, Brush/Roller	0.52	
For Up To 100, Add	0.34	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
09 91 13 00-0240 SF Paint Wrought Iron Fence, Each Additional Coat, Brush/Roller	0.36	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.05	
09 91 13 00-0241 SF Paint Picket Fence, One Coat Primer, Brush/Roller	0.78	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 91 13 00-0242 SF Paint Picket Fence, One Coat, Brush/Roller	0.75	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0243	SF	Paint Picket Fence, Each Additional Coat, Brush/Roller	0.53	
			<i>For Up To 100, Add</i>	0.36	
			<i>For >100 To 250, Add</i>	0.17	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0244	SF	Paint Wood Fences One Coat, Brush/Roller	0.54	
			<i>For Up To 100, Add</i>	0.34	
			<i>For >100 To 250, Add</i>	0.16	
			<i>For >250 To 500, Add</i>	0.07	
09 91	13 00-0245	SF	Paint Wood Fences Two Coats, Brush/Roller	0.96	
			<i>For Up To 100, Add</i>	0.59	
			<i>For >100 To 250, Add</i>	0.28	
			<i>For >250 To 500, Add</i>	0.12	
09 91	13 00-0246	SF	Paint Wood Fences One Coat, Spray	0.44	
			<i>For Up To 100, Add</i>	0.26	
			<i>For >100 To 250, Add</i>	0.13	
			<i>For >250 To 500, Add</i>	0.06	
09 91	13 00-0247	SF	Paint Wood Fences Two Coats, Spray	0.81	
			<i>For Up To 100, Add</i>	0.48	
			<i>For >100 To 250, Add</i>	0.23	
			<i>For >250 To 500, Add</i>	0.10	
09 91	13 00-0248		Metal Surfaces <small>(09 91 13 00-0199)</small>		
09 91	13 00-0249	SF	Paint Miscellaneous Exposed Metal One Coat Alkyd Primer	1.09	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Electrostatic Painting, Add</i>	0.13	
09 91	13 00-0250	SF	Paint Miscellaneous Exposed Metal One Coat Alkyd Enamel	1.04	
			<i>For Epoxy Paint, Add</i>	0.08	
			<i>For Electrostatic Painting, Add</i>	0.12	
09 91	13 00-0251	SF	Paint Miscellaneous Exposed Metal Two Coats Alkyd Enamel	2.10	
			<i>For Epoxy Paint, Add</i>	0.17	
			<i>For Electrostatic Painting, Add</i>	0.24	
09 91	13 00-0252	SF	Paint Ventilation Louver, SF Of Opening Area, One Coat Primer	1.25	
			<i>For Electrostatic Painting, Add</i>	0.15	
09 91	13 00-0253	SF	Paint Ventilation Louver, SF Of Opening Area, One Coat Alkyd	1.20	
			<i>For Electrostatic Painting, Add</i>	0.14	
09 91	13 00-0254	SF	Paint Ventilation Louver, SF Of Opening Area, Two Coats Alkyd	2.43	
			<i>For Electrostatic Painting, Add</i>	0.27	
09 91	13 00-0255		Ladders <small>(09 91 13 00-0199)</small>		
09 91	13 00-0256	LF	Paint Ladders One Coat Alkyd Primer	3.37	
			<i>For Epoxy Paint, Add</i>	0.19	
09 91	13 00-0257	LF	Paint Ladders One Coat Alkyd Enamel	3.77	
			<i>For Epoxy Paint, Add</i>	0.21	
09 91	13 00-0258	LF	Paint Ladders Two Coats Alkyd Enamel	7.47	
			<i>For Epoxy Paint, Add</i>	0.40	
09 91	13 00-0259		Handrails <small>(09 91 13 00-0199)</small>		
09 91	13 00-0260	LF	Paint Stair Hand Rail And Bracket, 1 Rail One Coat Alkyd Enamel	1.46	
			<i>For Epoxy Paint, Add</i>	0.09	
09 91	13 00-0261	LF	Paint Stair Hand Rail And Bracket, 1 Rail Two Coats Alkyd Enamel	2.43	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0262	LF	Paint Stair Pipe Rail And Pickets, 1 Rail One Coat Alkyd Enamel	2.21	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0263	LF	Paint Stair Pipe Rail And Pickets, 1 Rail Two Coats Alkyd Enamel	3.90	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0264	LF	Paint Stair Pipe Rail And Pickets, 2 Rails One Coat Alkyd Enamel	2.42	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0265	LF	Paint Stair Pipe Rail And Pickets, 2 Rails Two Coats Alkyd Enamel	4.18	
			<i>For Epoxy Paint, Add</i>	0.25	
09 91	13 00-0266	LF	Paint Balustrades, One Coat Alkyd Enamel	1.51	
			<i>For Epoxy Paint, Add</i>	0.13	
09 91	13 00-0267	LF	Paint Balustrades, Two Coats Alkyd Enamel	2.73	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0268		Grating <small>(09 91 13 00-0199)</small>		
09 91	13 00-0269	SF	Paint Gratings And Frames One Coat Primer	2.51	
			<i>For Epoxy Paint, Add</i>	0.17	
09 91	13 00-0270	SF	Paint Gratings And Frames One Coat Paint	2.46	
			<i>For Epoxy Paint, Add</i>	0.15	
09 91	13 00-0271	SF	Paint Gratings And Frames Two Coats Paint	3.67	
			<i>For Epoxy Paint, Add</i>	0.24	
09 91	13 00-0272		Other Site Work Tasks <small>(09 91 13 00-0199)</small>		
09 91	13 00-0273		Flagpoles <small>(09 91 13 00-0272)</small>		
09 91	13 00-0274	EA	Paint Steel Flagpole, 20' High, One Coat Paint	154.97	
09 91	13 00-0275	EA	Paint Steel Flagpole, 30' High, One Coat Paint	208.10	
09 91	13 00-0276	EA	Paint Steel Flagpole, 40' High, One Coat Paint	261.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0277 EA Paint Steel Flagpole, 50' High, One Coat Paint	314.42	
09 91 13 00-0278 EA Paint Steel Flagpole, 70' High, One Coat Paint	415.85	
09 91 13 00-0279 EA Paint Steel Flagpole, 80' High, One Coat Paint	468.40	
09 91 13 00-0280 EA Paint Steel Flagpole, 90' High, One Coat Paint	520.95	
09 91 13 00-0281 Lattice Or Trellis (09 91 13 00-0272)		
09 91 13 00-0282 SF Paint Wood Lattice Or Trellis One Coat, Spray Per Side.....	1.16	
09 91 13 00-0283 SF Paint Wood Lattice Or Trellis Two Coats, Spray Per Side.....	2.14	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 91 13 00-0284 Equipment And Tanks (09 91 13 00-0199)		
09 91 13 00-0285 Valves, Primer And Finish Coats (09 91 13 00-0284)		
09 91 13 00-0286 EA Prime And Paint 4" And Smaller Valve	23.63	
09 91 13 00-0287 EA Prime And Paint 6" To 10" Valve	28.74	
09 91 13 00-0288 EA Prime And Paint 12" To 18" Valve	38.01	
09 91 13 00-0289 EA Prime And Paint 20" To 24" Valve	51.42	
09 91 13 00-0290 EA Prime And Paint >24" To 36" Valve	69.95	
09 91 13 00-0291 EA Prime And Paint >36" To 48" Valve	94.53	
09 91 13 00-0292 Pumps And Motors. Primer And Finish Coats (09 91 13 00-0284)		
09 91 13 00-0293 EA Prime And Paint Pump Under 1 HP	71.85	
09 91 13 00-0294 EA Prime And Paint Pump, 1 HP To 5 HP	93.24	
09 91 13 00-0295 EA Prime And Paint Pump, >5 HP To 10 HP	110.47	
09 91 13 00-0296 EA Prime And Paint Pump, >10 HP To 20 HP	122.59	
09 91 13 00-0297 EA Prime And Paint Pump, >20 HP To 30 HP	143.01	
09 91 13 00-0298 EA Prime And Paint Pump, >30 HP To 50 HP	163.46	
09 91 13 00-0299 EA Prime And Paint Pump, >50 HP To 75 HP	179.74	
09 91 13 00-0300 EA Prime And Paint Pump, >75 HP	204.32	
09 91 13 00-0301 Storage Tanks (09 91 13 00-0284)		
09 91 13 00-0302 SF Paint Storage Tank, Exterior Surface, One Coat Primer, Roller	0.86	
09 91 13 00-0303 SF Paint Storage Tank, Exterior Surface, One Coat Paint, Roller.....	1.10	
09 91 13 00-0304 SF Paint Storage Tank, Exterior Surface, Two Coats Paint, Roller.....	2.07	
09 91 13 00-0305 SF Paint Storage Tank, Interior Surface, One Coat Primer, Roller.....	1.20	
09 91 13 00-0306 SF Paint Storage Tank, Interior Surface, One Coat Paint, Roller.....	1.50	
09 91 13 00-0307 SF Paint Storage Tank, Interior Surface, Two Coats Paint, Roller.....	2.84	
09 91 13 00-0308 SF Paint Storage Tank, Exterior Surface, One Coat Primer, Spray	0.82	
09 91 13 00-0309 SF Paint Storage Tank, Exterior Surface, One Coat Paint, Spray.....	0.91	
09 91 13 00-0310 SF Paint Storage Tank, Exterior Surface, Two Coats Paint, Spray.....	1.74	
09 91 13 00-0311 SF Paint Storage Tank, Interior Surface, One Coat Primer, Spray.....	0.92	
09 91 13 00-0312 SF Paint Storage Tank, Interior Surface, One Coat Paint, Spray.....	1.17	
09 91 13 00-0313 SF Paint Storage Tank, Interior Surface, Two Coats Paint, Spray.....	2.25	
09 91 13 00-0314 Stairs (09 91 13)		
09 91 13 00-0315 Concrete (09 91 13 00-0314)		
09 91 13 00-0316 RSR Paint Concrete Stair (To 4' Wide) One Coat Primer.....	14.71	
09 91 13 00-0317 RSR Paint Concrete Stair (To 4' Wide) One Coat Alkyd Enamel	14.71	
09 91 13 00-0318 RSR Paint Concrete Stair (To 4' Wide) One Coat Non Slip Paint	17.70	
09 91 13 00-0319 RSR Paint Concrete Stair (To 4' Wide) One Coat Non Slip Epoxy Coating	26.39	
09 91 13 00-0320 RSR Paint Concrete Stair (To 4' Wide) Two Coats Alkyd Enamel	29.42	
09 91 13 00-0321 Metal (09 91 13 00-0314)		
09 91 13 00-0322 RSR Paint Metal Stair (To 4' Wide) One Coat Primer	7.54	
For Oil Based Paint, Add	0.40	
09 91 13 00-0323 RSR Paint Metal Stair (To 4' Wide) One Coat Alkyd Enamel.....	7.54	
For Oil Based Paint, Add	0.40	
09 91 13 00-0324 RSR Paint Metal Stair (To 4' Wide) Two Coats Alkyd Enamel	15.08	
For Oil Based Paint, Add	0.79	
09 91 13 00-0325 Wood (09 91 13 00-0314)		
09 91 13 00-0326 RSR Paint Wood Stair (To 4' Wide) One Coat Primer.....	7.54	
09 91 13 00-0327 RSR Paint Wood Stair (To 4' Wide) One Coat Alkyd Enamel	7.53	
09 91 13 00-0328 RSR Paint Wood Stair (To 4' Wide) One Coat Non Slip Paint.....	10.52	
09 91 13 00-0329 RSR Paint Wood Stair (To 4' Wide) One Coat Non Slip Epoxy Coating.....	19.21	
09 91 13 00-0330 RSR Paint Wood Stair (To 4' Wide) Two Coats Alkyd Enamel.....	15.07	
09 91 13 00-0331 Stair Nosing (09 91 13 00-0314)		
09 91 13 00-0332 LF Paint Yellow Stair Safety Strip, Up To 2", Non Slip.....	1.23	

09 Finishes**09 90 Painting And Coating****09 91 Painting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0333			Trim Work (09 91 13)		
09 91 13 00-0334			Metal (09 91 13 00-0333)		
09 91 13 00-0335	SF		Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush Work.....	1.03	
09 91 13 00-0336	SF		Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush Work.....	1.03	
09 91 13 00-0337	SF		Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush Work.....	1.85	
09 91 13 00-0338	SF		Paint Exterior Exposed Metal Trim, 1 Coat Primer, Brush/Roller Work.....	0.82	
09 91 13 00-0339	SF		Paint Exterior Exposed Metal Trim, 1 Coat Paint, Brush/Roller Work.....	0.92	
09 91 13 00-0340	SF		Paint Exterior Exposed Metal Trim, 2 Coats Paint, Brush/Roller Work.....	1.64	
09 91 13 00-0341	LF		Paint Exterior Gutter And Downspout, 1 Coat Paint, Brush Work.....	1.50	
09 91 13 00-0342	LF		Paint Exterior Gutter And Downspout, 2 Coats Paint, Brush Work.....	2.02	
09 91 13 00-0343			Wood (09 91 13 00-0333)		
09 91 13 00-0344	SF		Paint Exterior Wood Trim, 1 Coat Primer, Brush Work.....	1.21	
			<i>For Oil Based Paint, Add</i>	0.07	
09 91 13 00-0345	SF		Paint Exterior Wood Trim, 1 Coat Paint, Brush Work.....	1.31	
			<i>For Oil Based Paint, Add</i>	0.08	
09 91 13 00-0346	SF		Paint Exterior Wood Trim, 2 Coats Paint, Brush Work.....	2.38	
			<i>For Oil Based Paint, Add</i>	0.14	
09 91 13 00-0347	SF		Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work.....	0.96	
			<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0348	SF		Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work.....	1.06	
			<i>For Oil Based Paint, Add</i>	0.06	
09 91 13 00-0349	SF		Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work.....	1.97	
			<i>For Oil Based Paint, Add</i>	0.12	
09 91 33			Painting Materials (09 91)		
			Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
09 91 33 00-0001			Primer (09 91 33)		
09 91 33 00-0002	GAL		Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	25.10	
09 91 33 00-0003	GAL		Alkyd Wood Primer, Exterior, 400 SF Per Gallon.....	24.61	
09 91 33 00-0004	GAL		Prime Coat Oil Wood Primer, 310 SF Per Gallon.....	31.21	
09 91 33 00-0005	GAL		Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	57.43	
09 91 33 00-0006	EA		Cement Base Primer, 25 LB Sack.....	25.74	
09 91 33 00-0007	GAL		Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon.....	39.68	
09 91 33 00-0008	GAL		Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	31.85	
09 91 33 00-0009	GAL		Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	24.61	
09 91 33 00-0010	GAL		Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	22.36	
09 91 33 00-0011	GAL		Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon.....	39.42	
09 91 33 00-0012	GAL		Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon.....	32.82	
09 91 33 00-0013	GAL		Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	32.82	
09 91 33 00-0014	GAL		Latex Wood Primer, Exterior, 300 SF Per Gallon.....	37.00	
09 91 33 00-0015	GAL		Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	24.13	
09 91 33 00-0016	GAL		Red Alkyd Primer, 500 SF Per Gallon.....	42.95	
09 91 33 00-0017	GAL		Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon.....	25.74	
09 91 33 00-0018	GAL		Zinc Chromate Primer, 300 SF Per Gallon.....	20.59	
09 91 33 00-0019	GAL		Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	53.25	
09 91 33 00-0020	GAL		Stain Killer, Alcohol Base.....	33.21	
09 91 33 00-0021	GAL		Sealer, Primer Kilz, 400 SF Per Gallon.....	37.47	
09 91 33 00-0022			Paint (09 91 33)		
09 91 33 00-0023	GAL		Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	18.02	
09 91 33 00-0024	GAL		Acrylic Urethane Sealer.....	89.34	
09 91 33 00-0025	GAL		Asphalt-Fiber Roof And Foundation Coating, Solvent Type.....	9.65	
			Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026	GAL		Concrete Enamel Epoxy, 350 SF Per Gallon.....	55.82	
09 91 33 00-0027	GAL		Concrete Acrylic Sealer, 400 SF Per Gallon.....	29.28	
09 91 33 00-0028	GAL		Driveway Coating, Tar Emulsion, 120 SF Per Gallon.....	9.65	
09 91 33 00-0029	GAL		Driveway Coating, Acrylic Latex, 250 SF Per Gallon.....	14.64	
09 91 33 00-0030	GAL		Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon.....	29.60	
09 91 33 00-0031	GAL		Exterior, Oil Base, Gloss, 400 SF Per Gallon.....	39.42	
09 91 33 00-0032	GAL		Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	32.18	
09 91 33 00-0033	GAL		Exterior, Oil Base, Flat.....	29.49	
09 91 33 00-0034	GAL		Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	27.99	
09 91 33 00-0035	GAL		Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	32.98	
09 91 33 00-0036	GAL		Exterior, Latex Flat Paint, 300 SF Per Gallon.....	29.28	
09 91 33 00-0037	GAL		Exterior, Latex Gloss Enamel, Water Base.....	41.68	
09 91 33 00-0038	GAL		Cold Galvanizing Paint.....	175.91	
09 91 33 00-0039	GAL		High Heat Paint.....	60.81	
09 91 33 00-0040	GAL		Heat Resistant Paint.....	40.54	
09 91 33 00-0041	GAL		Zinc Chromate Paint.....	36.68	
09 91 33 00-0042	QT		Anti-Rust Enamel, 500 SF Per Quart.....	14.48	
09 91 33 00-0043	GAL		Rust Inhibitor, Ferrous Metal.....	40.54	
09 91 33 00-0044	GAL		Masonry Waterproofing, 100 SF Per Gallon.....	29.28	
09 91 33 00-0045	GAL		Alkyd Latex, Black.....	27.35	
09 91 33 00-0046	GAL		Alkyd Latex, White.....	27.35	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	33 00-0047	GAL	Alkyd Latex, Colors.....	32.98	
	09 91	33 00-0048	QT	Wrought Iron Paint, Black.....	37.00	
	09 91	33 00-0049	GAL	Vinyl Paint.....	49.23	
	09 91	33 00-0050	GAL	Silicone Alkyd.....	59.85	
	09 91	33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy.....	60.81	
	09 91	33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy.....	76.26	
	09 91	33 00-0053	GAL	Chlorinated Rubber.....	55.99	
	09 91	33 00-0054	GAL	Polyamide Epoxy Sealer.....	57.92	
	09 91	33 00-0055	GAL	Coal Tar Epoxy.....	41.51	
	09 91	33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon.....	51.80	
	09 91	33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base.....	67.57	
	09 91	33 00-0058	GAL	Swimming Pool Rubber Base.....	46.33	
	09 91	33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon.....	29.44	
	09 91	33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	32.98	
	09 91	33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	60.33	
	09 91	33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	20.43	
	09 91	33 00-0063	GAL	Linseed Oil.....	17.86	
	09 91	33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon.....	29.28	
	09 91	33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	32.98	
	09 91	33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	30.16	
	09 91	33 00-0067	GAL	Acoustic Spray-On Texture, Finish.....	24.24	
	09 91	33 00-0068		Stain, Varnish <small>(09 91 33)</small>		
	09 91	33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	16.73	
	09 91	33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	31.21	
	09 91	33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	27.83	
	09 91	33 00-0072	GAL	Varnish, Clear.....	19.44	
	09 91	33 00-0073	GAL	Penetrating Water-Repellent Stain.....	14.12	
	09 91	33 00-0074	GAL	Redwood Hue Or Clear Stain.....	12.62	
	09 91	33 00-0075	GAL	Polyurethane.....	22.15	
	09 91	33 00-0076	GAL	Lacquer, Semi-Gloss.....	29.37	
	09 91	33 00-0077	GAL	Shellac, Clear.....	38.52	
	09 91	33 00-0078	GAL	Acetone.....	12.71	
	09 91	33 00-0079	GAL	Paint Thinner.....	3.14	
	09 91	33 00-0080	GAL	Shellac Or Lacquer Thinner.....	12.87	
	09 91	33 00-0081	GAL	Turpentine.....	17.70	
	09 91	33 00-0082	GAL	Wood Filler Paste.....	30.24	
	09 91	33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	24.13	
	09 91	43		Surface Preparation <small>(09 91)</small>		
				Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
	09 91	43 00-0001		Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 91 43)</small>		
				Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.		
	09 91	43 00-0002		Concrete And Masonry Surfaces <small>(09 91 43 00-0001)</small>		
	09 91	43 00-0003	SF	Calcimine Removal/Washing Concrete Or Masonry.....	0.36	
				For Up To 100, Add	0.23	
				For >100 To 250, Add	0.11	
				For >250 To 500, Add	0.05	
				For >5,000 To 10,000, Deduct	-0.02	
				For >10,000 To 15,000, Deduct	-0.03	
				For >15,000 To 30,000, Deduct	-0.05	
				For >30,000, Deduct	-0.07	
	09 91	43 00-0004	SF	Chemical Clean, Brush And Wash Concrete Or Masonry.....	0.58	
				For Up To 100, Add	0.37	
				For >100 To 250, Add	0.17	
				For >250 To 500, Add	0.07	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.05	
				For >15,000 To 30,000, Deduct	-0.08	
				For >30,000, Deduct	-0.11	
	09 91	43 00-0005	SF	Hand Scrape Concrete Or Masonry.....	0.59	
				For Up To 100, Add	0.44	
				For >100 To 250, Add	0.21	
				For >250 To 500, Add	0.09	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.06	
				For >15,000 To 30,000, Deduct	-0.09	
				For >30,000, Deduct	-0.12	
	09 91	43 00-0006	SF	Steam Clean Concrete Or Masonry.....	0.60	
				For Up To 100, Add	0.39	
				For >100 To 250, Add	0.18	
				For >250 To 500, Add	0.08	
				For >5,000 To 10,000, Deduct	-0.03	
				For >10,000 To 15,000, Deduct	-0.06	
				For >15,000 To 30,000, Deduct	-0.09	
				For >30,000, Deduct	-0.12	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0007 SF Up To 5,000 PSI, Pressure Wash Concrete Or Masonry.....	0.38	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0008 SF 10,000 To 12,000 PSI, Water Blast Concrete Or Masonry	1.10	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.11	
For >15,000 To 30,000, Deduct	-0.16	
For >30,000, Deduct	-0.22	
09 91 43 00-0009 SF 30,000 To 40,000 PSI, Water Blast Concrete Or Masonry	1.84	
For Up To 100, Add	1.31	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.18	
For >15,000 To 30,000, Deduct	-0.27	
For >30,000, Deduct	-0.36	
09 91 43 00-0010 SF Sand Blasting Concrete Or Masonry.....	1.96	
For Heavy Condition Where Multiple Pass Is Required, Add	0.98	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.29	
For >30,000, Deduct	-0.38	
09 91 43 00-0011 Metal Surfaces (09 91 43 00-0001)		
09 91 43 00-0012 SF Chemical Clean, Brush And Wash Metal Surface.....	0.58	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	
09 91 43 00-0013 SF Hand Scraping And Sanding, Metal Surface.....	0.59	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0014 SF Up To 5,000 PSI, Pressure Wash Metal Surface.....	0.36	
For Up To 100, Add	0.23	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0015 SF Power Tool Cleaning, Metal Surface.....	1.03	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.15	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.21	
09 91 43 00-0016 SF Steam Cleaning, Metal Surface	0.37	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 91 43 00-0017 SF Loose Mill Scale With Fine Powder, Commercial Blast Metal Surface.....	0.79	
For Up To 100, Add	0.52	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 15,000, Deduct	-0.08	
For >15,000 To 30,000, Deduct	-0.12	
For >30,000, Deduct	-0.15	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0018 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast Metal Surface.....	1.06	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000 To 15,000, Deduct	-0.10	
For >15,000 To 30,000, Deduct	-0.15	
For >30,000, Deduct	-0.20	
09 91 43 00-0019 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast Metal Surface.....	1.58	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 15,000, Deduct	-0.15	
For >15,000 To 30,000, Deduct	-0.23	
For >30,000, Deduct	-0.31	
09 91 43 00-0020 SF Badly Pitted With Rust Nodules, Commercial Blast Metal Surface.....	2.62	
For Up To 100, Add	1.70	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.38	
For >30,000, Deduct	-0.51	
09 91 43 00-0021 SF Loose Mill Scale With Fine Powder Rust, Near White Blast Metal Surface.....	1.98	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 15,000, Deduct	-0.19	
For >15,000 To 30,000, Deduct	-0.29	
For >30,000, Deduct	-0.38	
09 91 43 00-0022 SF Tight Mill Scale Little Rust, Near White Blast Metal Surface.....	2.46	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 15,000, Deduct	-0.23	
For >15,000 To 30,000, Deduct	-0.36	
For >30,000, Deduct	-0.47	
09 91 43 00-0023 SF Exterior Coat Blistered Pitted Rust, Near White Blast Metal Surface.....	3.19	
For Up To 100, Add	2.05	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 15,000, Deduct	-0.30	
For >15,000 To 30,000, Deduct	-0.46	
For >30,000, Deduct	-0.62	
09 91 43 00-0024 SF Badly Pitted Rust Nodules, Near White Blast Metal Surface.....	4.00	
For Up To 100, Add	2.57	
For >100 To 250, Add	1.20	
For >250 To 500, Add	0.51	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 15,000, Deduct	-0.38	
For >15,000 To 30,000, Deduct	-0.58	
For >30,000, Deduct	-0.77	
09 91 43 00-0025 Tile Surfaces (09 91 43 00-0001)		
09 91 43 00-0026 SF Alkaline Cleaner, Brush And Wash Tile Surface.....	0.32	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.11	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.06	
09 91 43 00-0027 SF Up To 5,000 PSI, Pressure Wash Tile Surface.....	0.27	
For Up To 100, Add	0.18	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.04	
For >30,000, Deduct	-0.05	
09 91 43 00-0028 Wood Surfaces (09 91 43 00-0001)		
09 91 43 00-0029 SF Chemical Clean, Brush And Wash Wood Surface.....	0.46	
For Up To 100, Add	0.28	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.07	
For >30,000, Deduct	-0.09	

09 Finishes**09 90 Painting And Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0030	SF		Hand Scrape Wood Surface	0.65	
			For Up To 100, Add	0.49	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0031	SF		Steam Clean Wood Surface	0.59	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.09	
			For >30,000, Deduct	-0.11	
09 91 43 00-0032	SF		Up To 5,000 PSI, Pressure Wash Wood Surface	0.40	
			For Up To 100, Add	0.26	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.04	
			For >15,000 To 30,000, Deduct	-0.06	
			For >30,000, Deduct	-0.08	
09 91 43 00-0033	SF		Sanding Wood Paneling, Boards, Doors, Etcetera	0.67	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0034	SF		Sanding Wood Trim	0.90	
			For Up To 100, Add	0.65	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.09	
			For >15,000 To 30,000, Deduct	-0.13	
			For >30,000, Deduct	-0.18	
09 91 43 00-0035	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.02	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.20	
09 91 43 00-0036	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat	0.58	
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	
09 91 43 00-0037	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat	0.68	
			For Up To 100, Add	0.46	
			For >100 To 250, Add	0.21	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 91 43 00-0038			Vinyl Siding Surfaces (09 91 43 00-0001)		
09 91 43 00-0039	SF		Hand Wash Vinyl Siding	0.51	
			For Up To 100, Add	0.37	
			For >100 To 250, Add	0.17	
			For >250 To 500, Add	0.07	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.10	
09 91 43 00-0040	SF		Up To 5,000 PSI, Pressure Wash Vinyl Siding	0.33	
			For Up To 100, Add	0.20	
			For >100 To 250, Add	0.09	
			For >250 To 500, Add	0.04	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.06	



Finishes	09	09
Painting And Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 43 00-0041 SF Steam Clean Vinyl Siding	0.61	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.06	
For >15,000 To 30,000, Deduct	-0.09	
For >30,000, Deduct	-0.12	
09 91 43 00-0042 Prep Work (09 91 43 00-0001)		
09 91 43 00-0043 SF Citrus Strip, Single Applications.....	0.84	
09 91 43 00-0044 Plaster/Stucco (09 91 43 00-0001)		
Note: Based on total project quantity.		
09 91 43 00-0045 SF Up To 5,000 PSI, Pressure Wash Stucco.....	0.43	
For Up To 100, Add	0.27	
For >100 To 250, Add	0.13	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.06	
For >30,000, Deduct	-0.08	
09 91 43 00-0046 Paint Removal, Strip To Bare Wood (09 91 43 00-0001)		
09 91 43 00-0047 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	5.93	
09 91 43 00-0048 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood.....	6.32	
09 96 High-Performance Coatings (09 90)		
09 96 23 Graffiti-Resistant Coatings (09 96)		
09 96 23 00-0001 Anti-Graffiti Painting (09 96 23)		
09 96 23 00-0002 SF Anti-Graffiti Coating System, One Coat, Concrete Surface	1.51	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 96 23 00-0003 SF Anti-Graffiti Coating System, One Coat, Brick Or Block.....	1.55	
For Up To 100, Add	0.75	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 96 23 00-0004 SF Anti-Graffiti Coating System, One Coat, Tile.....	1.28	
For Up To 100, Add	0.71	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 96 23 00-0005 SF Anti-Graffiti Coating System, One Coat, Metal Or Steel	1.24	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 96 23 00-0006 SF Anti-Graffiti Coating System, One Coat, Wood.....	1.51	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
09 96 23 00-0007 SF Anti-Graffiti Coating System, One Coat, Painted Surface.....	1.36	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 96 23 00-0008 SF Anti-Graffiti Coating System, Two Coats, Concrete Surface.....	2.86	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.30	
09 96 23 00-0009 SF Anti-Graffiti Coating System, Two Coats, Brick Or Block.....	2.94	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 96 23 00-0010 SF Anti-Graffiti Coating System, Two Coats, Tile.....	2.41	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 96 23 00-0011 SF Anti-Graffiti Coating System, Two Coats, Metal Or Steel.....	2.33	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 96 23 00-0012 SF Anti-Graffiti Coating System, Two Coats, Wood	2.83	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 96 23 00-0013 SF Anti-Graffiti Coating System, Two Coats, Painted Surface	2.56	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	

09	09 Finishes
	09 90 Painting And Coating
	09 96 High-Performance Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 96 35 Chemical-Resistant Coatings (09 96)

09 96 35 00-0001	Sanitile Wall For Interior Wall Systems (09 96 35)		
09 96 35 00-0002	Sanitile 550 System For All Interior Wall Surfaces (09 96 35 00-0001)		
09 96 35 00-0003	SF 7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.88	1.65
09 96 35 00-0004	SF 5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.54	1.65
09 96 35 00-0005	Sanitile System For All Interior Wall Surfaces (09 96 35 00-0001)		
09 96 35 00-0006	SF 7-9 Mil DFT - 2 Coats Base, 1 Coat Finish	3.82	1.72
09 96 35 00-0007	SF 5-7 Mil DFT - 1 Coat Base, 1 Coat Finish	3.47	1.72

09 96 53 Elastomeric Coatings (09 96)

09 96 53 00-0001	Elastomeric (09 96 53)		
	Note: Per coat.		
09 96 53 00-0002	SF Paint, Brush, Elastomeric, Per Coat.....	1.96	
	For Work >20', Add	0.32	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	1.07	
	For >100 To 250, Add	0.52	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
09 96 53 00-0003	SF Paint, Roller, Elastomeric, Per Coat.....	1.57	
	For Work >20', Add	0.23	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.78	
	For >100 To 250, Add	0.38	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.31	
09 96 53 00-0004	SF Paint, Conventional Spray, Elastomeric, Per Coat.....	1.53	
	For Work >20', Add	0.19	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.31	
09 96 53 00-0005	SF Paint, Airless Spray, Elastomeric, Per Coat.....	1.38	
	For Work >20', Add	0.15	
	Note: Applied only to work area above 20'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	

09 96 56 Epoxy Coatings (09 96)

09 96 56 00-0001	High Build Epoxy (09 96 56)		
09 96 56 00-0002	SF High Build Epoxy - 50 Mil.....	2.44	
09 96 56 00-0003	Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004	SF Laminated Epoxy With Fiberglass.....	4.40	

09 96 66 Aggregate Wall Coatings (09 96)

09 96 66 00-0001	Troweled On (09 96 66)		
09 96 66 00-0002	SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.29	
09 96 66 00-0003	SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....	5.89	
09 96 66 00-0004	SF Exposed Aggregate - 1" Troweled On.....	8.79	
09 96 66 00-0005	Sprayed On (09 96 66)		
09 96 66 00-0006	SF Exposed Aggregate - 1/8" - Sprayed On.....	2.67	



Finishes	09	9
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 97 Special Coatings (09 90)

09 97 13 Steel Coatings (09 97)

09 97 13 23 Exterior Steel Coatings (09 97 13)

09 97 13 23-0001	Surface Preparation For Tanks And Structural Steel (09 97 13 23)	
	Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.	
09 97 13 23-0002	SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation (09 97 13 23-0001)	
09 97 13 23-0003	SF Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.21
	For Up To 100, Add	0.91
	For >100 To 250, Add	0.42
	For >250 To 500, Add	0.18
09 97 13 23-0004	SF Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16
	For Up To 100, Add	0.87
	For >100 To 250, Add	0.41
	For >250 To 500, Add	0.17
09 97 13 23-0005	SF Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16
	For Up To 100, Add	0.87
	For >100 To 250, Add	0.41
	For >250 To 500, Add	0.17
09 97 13 23-0006	SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16
	For Up To 100, Add	0.87
	For >100 To 250, Add	0.41
	For >250 To 500, Add	0.17
09 97 13 23-0007	SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.03
	For Up To 100, Add	0.77
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.15
09 97 13 23-0008	SF Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.57
	For Up To 100, Add	1.18
	For >100 To 250, Add	0.55
	For >250 To 500, Add	0.24
09 97 13 23-0009	SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.45
	For Up To 100, Add	1.09
	For >100 To 250, Add	0.51
	For >250 To 500, Add	0.22
09 97 13 23-0010	SSPC SP7 Brush Off Blast Cleaning Surface Preparation (09 97 13 23-0001)	
09 97 13 23-0011	SF Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.88
	For Up To 100, Add	0.61
	For >100 To 250, Add	0.29
	For >250 To 500, Add	0.12
09 97 13 23-0012	SF Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.78
	For Up To 100, Add	0.54
	For >100 To 250, Add	0.26
	For >250 To 500, Add	0.11
09 97 13 23-0013	SF Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.77
	For Up To 100, Add	0.54
	For >100 To 250, Add	0.25
	For >250 To 500, Add	0.11
09 97 13 23-0014	SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.74
	For Up To 100, Add	0.52
	For >100 To 250, Add	0.24
	For >250 To 500, Add	0.11
09 97 13 23-0015	SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.60
	For Up To 100, Add	0.42
	For >100 To 250, Add	0.20
	For >250 To 500, Add	0.09
09 97 13 23-0016	SF Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.09
	For Up To 100, Add	0.77
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.16
09 97 13 23-0017	SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.05
	For Up To 100, Add	0.76
	For >100 To 250, Add	0.36
	For >250 To 500, Add	0.15
09 97 13 23-0018	SSPC SP6 Commercial Blast Cleaning Surface Preparation (09 97 13 23-0001)	
09 97 13 23-0019	SF Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.27
	For Up To 100, Add	1.62
	For >100 To 250, Add	0.76
	For >250 To 500, Add	0.33
09 97 13 23-0020	SF Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.97
	For Up To 100, Add	1.40
	For >100 To 250, Add	0.66
	For >250 To 500, Add	0.28

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0021	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.82	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0022	SF		Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation.....	1.82	
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
09 97 13 23-0023	SF		Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.67	
			For Up To 100, Add	1.17	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
09 97 13 23-0024	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	2.83	
			For Up To 100, Add	2.04	
			For >100 To 250, Add	0.96	
			For >250 To 500, Add	0.41	
09 97 13 23-0025	SF		Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.44	
			For Up To 100, Add	1.75	
			For >100 To 250, Add	0.82	
			For >250 To 500, Add	0.35	
09 97 13 23-0026			SSPC SP5 White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0027	SF		Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.40	
			For Up To 100, Add	3.16	
			For >100 To 250, Add	1.48	
			For >250 To 500, Add	0.64	
09 97 13 23-0028	SF		Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.77	
			For Up To 100, Add	2.70	
			For >100 To 250, Add	1.26	
			For >250 To 500, Add	0.54	
09 97 13 23-0029	SF		Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.45	
			For Up To 100, Add	2.46	
			For >100 To 250, Add	1.15	
			For >250 To 500, Add	0.50	
09 97 13 23-0030	SF		Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.29	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.10	
			For >250 To 500, Add	0.47	
09 97 13 23-0031	SF		Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation.....	3.14	
			For Up To 100, Add	2.23	
			For >100 To 250, Add	1.05	
			For >250 To 500, Add	0.45	
09 97 13 23-0032	SF		Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation.....	5.31	
			For Up To 100, Add	3.84	
			For >100 To 250, Add	1.80	
			For >250 To 500, Add	0.77	
09 97 13 23-0033	SF		Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation.....	4.60	
			For Up To 100, Add	3.32	
			For >100 To 250, Add	1.56	
			For >250 To 500, Add	0.67	
09 97 13 23-0034			SSPC SP10 Near White Metal Blast Cleaning Surface Preparation (09 97 13 23-0001)		
09 97 13 23-0035	SF		Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.27	
			For Up To 100, Add	2.34	
			For >100 To 250, Add	1.10	
			For >250 To 500, Add	0.47	
09 97 13 23-0036	SF		Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.79	
			For Up To 100, Add	1.99	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.40	
09 97 13 23-0037	SF		Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.64	
			For Up To 100, Add	1.88	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 23-0038	SF		Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.63	
			For Up To 100, Add	1.88	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 23-0039	SF		Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.63	
			For Up To 100, Add	1.88	
			For >100 To 250, Add	0.88	
			For >250 To 500, Add	0.38	
09 97 13 23-0040	SF		Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.86	
			For Up To 100, Add	2.79	
			For >100 To 250, Add	1.31	
			For >250 To 500, Add	0.56	
09 97 13 23-0041	SF		Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	3.85	
			For Up To 100, Add	2.79	
			For >100 To 250, Add	1.31	
			For >250 To 500, Add	0.56	



Finishes	09	09
Painting And Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0042 Protective Coatings For Tanks And Structural Steel <small>(09 97 13 23)</small>		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter, and piping - under 14" diameter.		
09 97 13 23-0043 1.5 Mil Prime Coat For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat.....	0.84	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.63	
For Up To 100, Add	0.42	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.55	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 97 13 23-0047 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.48	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
09 97 13 23-0048 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.39	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 97 13 23-0049 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.01	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 23-0050 SF Spray Tank Interior 1.5 Mil Prime Coat.....	0.97	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0051 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat.....	1.28	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
09 97 13 23-0052 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat.....	0.93	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
09 97 13 23-0053 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat.....	0.82	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0054 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.72	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0055 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 23-0056 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.54	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.22	
09 97 13 23-0057 SF Brush Tank Interior 1.5 Mil Prime Coat.....	1.47	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0058 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0059 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.48	
For Up To 100, Add	1.67	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 23-0060 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.77	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 23-0061 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.64	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 23-0062 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.42	
For Up To 100, Add	0.90	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	

09 Finishes**09 90 Painting And Coating**

09 97 Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0063 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.08	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
09 97 13 23-0064 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	3.03	
For Up To 100, Add	2.08	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.42	
09 97 13 23-0065 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.71	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 23-0066 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.86	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
09 97 13 23-0067 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.33	
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0068 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.23	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
09 97 13 23-0069 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.07	
For Up To 100, Add	0.68	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 97 13 23-0070 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	0.81	
For Up To 100, Add	0.49	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0071 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	2.27	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.73	
For >250 To 500, Add	0.32	
09 97 13 23-0072 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.03	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.28	
09 97 13 23-0073 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.06	
For Up To 100, Add	2.86	
For >100 To 250, Add	1.34	
For >250 To 500, Add	0.58	
09 97 13 23-0074 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.85	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0075 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.62	
For Up To 100, Add	1.80	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
09 97 13 23-0076 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.26	
For Up To 100, Add	1.53	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
09 97 13 23-0077 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.68	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0078 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	5.00	
For Up To 100, Add	3.56	
For >100 To 250, Add	1.67	
For >250 To 500, Add	0.72	
09 97 13 23-0079 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.48	
For Up To 100, Add	3.20	
For >100 To 250, Add	1.50	
For >250 To 500, Add	0.65	
09 97 13 23-0080 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.03	
For Up To 100, Add	2.13	
For >100 To 250, Add	1.00	
For >250 To 500, Add	0.43	
09 97 13 23-0081 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.14	
For Up To 100, Add	1.48	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.30	
09 97 13 23-0082 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.97	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.27	
09 97 13 23-0083 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.69	
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0084 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.25	
<i>For Up To 100, Add</i>	0.82	
<i>For >100 To 250, Add</i>	0.39	
<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0085 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	3.75	
<i>For Up To 100, Add</i>	2.67	
<i>For >100 To 250, Add</i>	1.25	
<i>For >250 To 500, Add</i>	0.54	
09 97 13 23-0086 SF Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.36	
<i>For Up To 100, Add</i>	2.40	
<i>For >100 To 250, Add</i>	1.13	
<i>For >250 To 500, Add</i>	0.48	
09 97 13 23-0087 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0088 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.91	
<i>For Up To 100, Add</i>	1.30	
<i>For >100 To 250, Add</i>	0.61	
<i>For >250 To 500, Add</i>	0.26	
09 97 13 23-0089 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.56	
<i>For Up To 100, Add</i>	1.05	
<i>For >100 To 250, Add</i>	0.50	
<i>For >250 To 500, Add</i>	0.21	
09 97 13 23-0090 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.42	
<i>For Up To 100, Add</i>	0.95	
<i>For >100 To 250, Add</i>	0.45	
<i>For >250 To 500, Add</i>	0.19	
09 97 13 23-0091 SF Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.28	
<i>For Up To 100, Add</i>	0.84	
<i>For >100 To 250, Add</i>	0.40	
<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0092 SF Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.09	
<i>For Up To 100, Add</i>	0.70	
<i>For >100 To 250, Add</i>	0.33	
<i>For >250 To 500, Add</i>	0.14	
09 97 13 23-0093 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.40	
<i>For Up To 100, Add</i>	1.66	
<i>For >100 To 250, Add</i>	0.78	
<i>For >250 To 500, Add</i>	0.34	
09 97 13 23-0094 SF Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.85	
<i>For Up To 100, Add</i>	2.02	
<i>For >100 To 250, Add</i>	0.95	
<i>For >250 To 500, Add</i>	0.41	
09 97 13 23-0095 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.22	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 250, Add</i>	0.39	
<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0096 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.00	
<i>For Up To 100, Add</i>	0.67	
<i>For >100 To 250, Add</i>	0.32	
<i>For >250 To 500, Add</i>	0.14	
09 97 13 23-0097 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.91	
<i>For Up To 100, Add</i>	0.60	
<i>For >100 To 250, Add</i>	0.29	
<i>For >250 To 500, Add</i>	0.12	
09 97 13 23-0098 SF Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	0.82	
<i>For Up To 100, Add</i>	0.54	
<i>For >100 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.11	
09 97 13 23-0099 SF Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.70	
<i>For Up To 100, Add</i>	0.45	
<i>For >100 To 250, Add</i>	0.21	
<i>For >250 To 500, Add</i>	0.09	
09 97 13 23-0100 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.54	
<i>For Up To 100, Add</i>	1.07	
<i>For >100 To 250, Add</i>	0.50	
<i>For >250 To 500, Add</i>	0.22	
09 97 13 23-0101 SF Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	1.82	
<i>For Up To 100, Add</i>	1.29	
<i>For >100 To 250, Add</i>	0.60	
<i>For >250 To 500, Add</i>	0.26	
09 97 13 23-0102 SF Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.89	
<i>For Up To 100, Add</i>	2.04	
<i>For >100 To 250, Add</i>	0.96	
<i>For >250 To 500, Add</i>	0.41	
09 97 13 23-0103 SF Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.33	
<i>For Up To 100, Add</i>	1.63	
<i>For >100 To 250, Add</i>	0.77	
<i>For >250 To 500, Add</i>	0.33	
09 97 13 23-0104 SF Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.12	
<i>For Up To 100, Add</i>	1.47	
<i>For >100 To 250, Add</i>	0.69	
<i>For >250 To 500, Add</i>	0.30	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0105	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.91	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 250, Add</i>	0.62	
			<i>For >250 To 500, Add</i>	0.27	
09 97 13 23-0106	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	1.59	
			<i>For Up To 100, Add</i>	1.07	
			<i>For >100 To 250, Add</i>	0.51	
			<i>For >250 To 500, Add</i>	0.22	
09 97 13 23-0107	SF		Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.65	
			<i>For Up To 100, Add</i>	2.60	
			<i>For >100 To 250, Add</i>	1.22	
			<i>For >250 To 500, Add</i>	0.52	
09 97 13 23-0108	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	4.69	
			<i>For Up To 100, Add</i>	3.44	
			<i>For >100 To 250, Add</i>	1.61	
			<i>For >250 To 500, Add</i>	0.69	
09 97 13 23-0109	SF		Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.85	
			<i>For Up To 100, Add</i>	1.30	
			<i>For >100 To 250, Add</i>	0.61	
			<i>For >250 To 500, Add</i>	0.26	
09 97 13 23-0110	SF		Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.50	
			<i>For Up To 100, Add</i>	1.05	
			<i>For >100 To 250, Add</i>	0.49	
			<i>For >250 To 500, Add</i>	0.21	
09 97 13 23-0111	SF		Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.36	
			<i>For Up To 100, Add</i>	0.94	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.19	
09 97 13 23-0112	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.23	
			<i>For Up To 100, Add</i>	0.84	
			<i>For >100 To 250, Add</i>	0.40	
			<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0113	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.01	
			<i>For Up To 100, Add</i>	0.68	
			<i>For >100 To 250, Add</i>	0.32	
			<i>For >250 To 500, Add</i>	0.14	
09 97 13 23-0114	SF		Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.34	
			<i>For Up To 100, Add</i>	1.67	
			<i>For >100 To 250, Add</i>	0.78	
			<i>For >250 To 500, Add</i>	0.34	
09 97 13 23-0115	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats.....	3.05	
			<i>For Up To 100, Add</i>	2.21	
			<i>For >100 To 250, Add</i>	1.04	
			<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0116			2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0117	SF		Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.06	
			<i>For Up To 100, Add</i>	1.92	
			<i>For >100 To 250, Add</i>	0.92	
			<i>For >250 To 500, Add</i>	0.40	
09 97 13 23-0118	SF		Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.19	
			<i>For Up To 100, Add</i>	1.31	
			<i>For >100 To 250, Add</i>	0.63	
			<i>For >250 To 500, Add</i>	0.27	
09 97 13 23-0119	SF		Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.92	
			<i>For Up To 100, Add</i>	1.10	
			<i>For >100 To 250, Add</i>	0.53	
			<i>For >250 To 500, Add</i>	0.23	
09 97 13 23-0120	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.77	
			<i>For Up To 100, Add</i>	1.00	
			<i>For >100 To 250, Add</i>	0.48	
			<i>For >250 To 500, Add</i>	0.21	
09 97 13 23-0121	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.50	
			<i>For Up To 100, Add</i>	0.80	
			<i>For >100 To 250, Add</i>	0.39	
			<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0122	SF		Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	3.48	
			<i>For Up To 100, Add</i>	2.23	
			<i>For >100 To 250, Add</i>	1.06	
			<i>For >250 To 500, Add</i>	0.46	
09 97 13 23-0123	SF		Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.15	
			<i>For Up To 100, Add</i>	1.35	
			<i>For >100 To 250, Add</i>	0.64	
			<i>For >250 To 500, Add</i>	0.28	
09 97 13 23-0124	SF		Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.54	
			<i>For Up To 100, Add</i>	0.92	
			<i>For >100 To 250, Add</i>	0.44	
			<i>For >250 To 500, Add</i>	0.19	
09 97 13 23-0125	SF		Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.35	
			<i>For Up To 100, Add</i>	0.77	
			<i>For >100 To 250, Add</i>	0.37	
			<i>For >250 To 500, Add</i>	0.16	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0126 SF Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.23	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 97 13 23-0127 SF Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	1.04	
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
09 97 13 23-0128 SF Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats.....	2.44	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	
09 97 13 23-0129 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0130 SF Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.24	
For Up To 100, Add	1.95	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.41	
09 97 13 23-0131 SF Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.35	
For Up To 100, Add	1.33	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0132 SF Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	2.08	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 23-0133 SF Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.92	
For Up To 100, Add	1.02	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 23-0134 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	1.65	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
09 97 13 23-0135 SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.66	
For Up To 100, Add	2.25	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.47	
09 97 13 23-0136 SF Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.65	
For Up To 100, Add	1.60	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
09 97 13 23-0137 SF Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.92	
For Up To 100, Add	1.09	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0138 SF Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	1.70	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0139 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.58	
For Up To 100, Add	0.84	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0140 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats.....	1.36	
For Up To 100, Add	0.67	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 23-0141 SF Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats.....	3.02	
For Up To 100, Add	1.86	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
09 97 13 23-0142 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0143 SF Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.81	
For Up To 100, Add	4.19	
For >100 To 250, Add	2.00	
For >250 To 500, Add	0.87	
09 97 13 23-0144 SF Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	5.10	
For Up To 100, Add	3.00	
For >100 To 250, Add	1.44	
For >250 To 500, Add	0.63	
09 97 13 23-0145 SF Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.89	
For Up To 100, Add	2.85	
For >100 To 250, Add	1.37	
For >250 To 500, Add	0.60	
09 97 13 23-0146 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	4.72	
For Up To 100, Add	2.74	
For >100 To 250, Add	1.32	
For >250 To 500, Add	0.58	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0147 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	4.31	
For Up To 100, Add	2.43	
For >100 To 250, Add	1.18	
For >250 To 500, Add	0.51	
09 97 13 23-0148 SF Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	8.00	
For Up To 100, Add	5.06	
For >100 To 250, Add	2.41	
For >250 To 500, Add	1.04	
09 97 13 23-0149 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.43	
For Up To 100, Add	4.77	
For >100 To 250, Add	2.27	
For >250 To 500, Add	0.98	
09 97 13 23-0150 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0151 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.51	
For Up To 100, Add	2.03	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.43	
09 97 13 23-0152 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.69	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0153 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.56	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.65	
For >250 To 500, Add	0.28	
09 97 13 23-0154 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	2.40	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 23-0155 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.11	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
09 97 13 23-0156 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.03	
For Up To 100, Add	2.39	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
09 97 13 23-0157 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.73	
For Up To 100, Add	2.26	
For >100 To 250, Add	1.08	
For >250 To 500, Add	0.47	
09 97 13 23-0158 SF Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.78	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
09 97 13 23-0159 SF Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.13	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 23-0160 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	2.03	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.23	
09 97 13 23-0161 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.89	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.21	
09 97 13 23-0162 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats.....	1.67	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0163 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	3.19	
For Up To 100, Add	1.89	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.40	
09 97 13 23-0164 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	2.95	
For Up To 100, Add	1.79	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 23-0165 Two 8 Mil Coal Tar Epoxy Coats For Tanks And Structural Steel (09 97 13 23-0042)		
09 97 13 23-0166 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.07	
For Up To 100, Add	1.96	
For >100 To 250, Add	0.93	
For >250 To 500, Add	0.40	
09 97 13 23-0167 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.49	
For Up To 100, Add	1.56	
For >100 To 250, Add	0.74	
For >250 To 500, Add	0.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0168 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	2.28	
<i>For Up To 100, Add</i>	1.40	
<i>For >100 To 250, Add</i>	0.67	
<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0169 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats.....	2.27	
<i>For Up To 100, Add</i>	1.40	
<i>For >100 To 250, Add</i>	0.67	
<i>For >250 To 500, Add</i>	0.29	
09 97 13 23-0170 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	1.87	
<i>For Up To 100, Add</i>	1.10	
<i>For >100 To 250, Add</i>	0.53	
<i>For >250 To 500, Add</i>	0.23	
09 97 13 23-0171 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats.....	3.84	
<i>For Up To 100, Add</i>	2.53	
<i>For >100 To 250, Add</i>	1.20	
<i>For >250 To 500, Add</i>	0.52	
09 97 13 23-0172 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	2.95	
<i>For Up To 100, Add</i>	1.91	
<i>For >100 To 250, Add</i>	0.91	
<i>For >250 To 500, Add</i>	0.39	
09 97 13 23-0173 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0174 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.01	
<i>For Up To 100, Add</i>	1.99	
<i>For >100 To 250, Add</i>	0.94	
<i>For >250 To 500, Add</i>	0.41	
09 97 13 23-0175 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.10	
<i>For Up To 100, Add</i>	1.33	
<i>For >100 To 250, Add</i>	0.63	
<i>For >250 To 500, Add</i>	0.27	
09 97 13 23-0176 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.77	
<i>For Up To 100, Add</i>	1.08	
<i>For >100 To 250, Add</i>	0.52	
<i>For >250 To 500, Add</i>	0.22	
09 97 13 23-0177 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.55	
<i>For Up To 100, Add</i>	0.92	
<i>For >100 To 250, Add</i>	0.44	
<i>For >250 To 500, Add</i>	0.19	
09 97 13 23-0178 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.42	
<i>For Up To 100, Add</i>	0.83	
<i>For >100 To 250, Add</i>	0.40	
<i>For >250 To 500, Add</i>	0.17	
09 97 13 23-0179 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.45	
<i>For Up To 100, Add</i>	2.31	
<i>For >100 To 250, Add</i>	1.09	
<i>For >250 To 500, Add</i>	0.47	
09 97 13 23-0180 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.43	
<i>For Up To 100, Add</i>	1.58	
<i>For >100 To 250, Add</i>	0.75	
<i>For >250 To 500, Add</i>	0.32	
09 97 13 23-0181 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior <small>(09 97 13 23-0042)</small>		
09 97 13 23-0182 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	3.46	
<i>For Up To 100, Add</i>	2.15	
<i>For >100 To 250, Add</i>	1.02	
<i>For >250 To 500, Add</i>	0.44	
09 97 13 23-0183 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	2.04	
<i>For Up To 100, Add</i>	1.12	
<i>For >100 To 250, Add</i>	0.54	
<i>For >250 To 500, Add</i>	0.24	
09 97 13 23-0184 One 3 Mil High Zinc Silicate Coat For Tanks And Structural Steel <small>(09 97 13 23-0042)</small>		
09 97 13 23-0185 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.53	
<i>For Up To 100, Add</i>	0.88	
<i>For >100 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.18	
09 97 13 23-0186 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.09	
<i>For Up To 100, Add</i>	0.57	
<i>For >100 To 250, Add</i>	0.28	
<i>For >250 To 500, Add</i>	0.12	
09 97 13 23-0187 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat.....	1.02	
<i>For Up To 100, Add</i>	0.52	
<i>For >100 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.11	

09 Finishes**09 90 Painting And Coating****09 97 Special Coatings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0188 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.95	
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
09 97 13 23-0189 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	0.92	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
09 97 13 23-0190 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	1.62	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0191 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.55	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0192 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks And Structural Steel (09 97 13		
<small>23-0042</small>)		
Note: Installed over existing primer.		
09 97 13 23-0193 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.43	
For Up To 100, Add	1.50	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
09 97 13 23-0194 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.97	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 23-0195 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.70	
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0196 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.61	
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0197 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.41	
For Up To 100, Add	0.78	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 23-0198 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	2.86	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 23-0199 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.29	
For Up To 100, Add	1.44	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
09 97 13 23-0200 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09		
<small>97 13 23-0042</small>)		
09 97 13 23-0201 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	6.10	
For Up To 100, Add	4.01	
For >100 To 250, Add	1.90	
For >250 To 500, Add	0.82	
09 97 26 Cementitious Coatings (09 97)		
09 97 26 13 Interior Cementitious Coatings (09 97 26)		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating. - Cementitious	2.08	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin	1.76	
09 97 63 Special Coatings (09 97)		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating	1.36	

END OF SECTION 09



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 Specialties

10 10 Information Specialties ⁽¹⁰⁾

10 14 Signage ^(10 10)

10 14 53 Traffic Signage ^(10 14)

10 14 53 00-0001 Traffic Signs ^(10 14 53)

10 14 53 00-0002 ReflectORIZED Stop Signs And Other Traffic Signs ^(10 14 53 00-0001)

Note: Excludes posts.

10 14 53 00-0003 Aluminum Engineer Grade Stop Signs ^(10 14 53 00-0002)

10 14 53 00-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign.....	52.19		15.37
	For Hi-Intensity Grade, Add	6.44		
	For Diamond Grade, Add	12.23		
10 14 53 00-0005	EA 18" x 24" Aluminum Engineer Grade Stop Sign.....	60.50		16.26
	For Hi-Intensity Grade, Add	8.42		
	For Diamond Grade, Add	15.99		
10 14 53 00-0006	EA 24" x 24" Aluminum Engineer Grade Stop Sign.....	65.51		17.07
	For Hi-Intensity Grade, Add	12.85		
	For Diamond Grade, Add	20.38		
10 14 53 00-0007	EA 30" x 30" Aluminum Engineer Grade Stop Sign.....	76.01		17.97
	For Hi-Intensity Grade, Add	4.82		
	For Diamond Grade, Add	26.10		
10 14 53 00-0008	EA 36" x 36" Aluminum Engineer Grade Stop Sign.....	101.92		18.79
	For Hi-Intensity Grade, Add	14.16		
	For Diamond Grade, Add	44.40		

10 14 53 00-0009 Other ReflectORIZED Traffic Signs ^(10 14 53 00-0002)

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 00-0010 Aluminum Engineer Grade Traffic Signs ^(10 14 53 00-0009)

10 14 53 00-0011	EA 6" x 12" Aluminum Engineer Grade Traffic Sign.....	32.64		13.66
	For Hi-Intensity Grade, Add	1.59		
10 14 53 00-0012	EA 6" x 18" Aluminum Engineer Grade Traffic Sign.....	35.30		13.66
	For Hi-Intensity Grade, Add	2.39		
10 14 53 00-0013	EA 9" x 12" Aluminum Engineer Grade Traffic Sign.....	35.30		13.66
	For Hi-Intensity Grade, Add	2.39		
10 14 53 00-0014	EA 9" x 15" Aluminum Engineer Grade Traffic Sign.....	37.29		13.66
	For Hi-Intensity Grade, Add	2.99		
10 14 53 00-0015	EA 9" x 18" Aluminum Engineer Grade Traffic Sign.....	39.29		13.66
	For Hi-Intensity Grade, Add	3.59		
10 14 53 00-0016	EA 9" x 24" Aluminum Engineer Grade Traffic Sign.....	44.97		14.52
	For Hi-Intensity Grade, Add	4.78		
10 14 53 00-0017	EA 9" x 48" Aluminum Engineer Grade Traffic Sign.....	60.91		14.52
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0018	EA 12" x 12" Aluminum Engineer Grade Traffic Sign.....	37.96		13.66
	For Hi-Intensity Grade, Add	3.19		
10 14 53 00-0019	EA 12" x 18" Aluminum Engineer Grade Traffic Sign.....	44.97		14.52
	For Hi-Intensity Grade, Add	4.78		
10 14 53 00-0020	EA 12" x 24" Aluminum Engineer Grade Traffic Sign.....	50.28		14.52
	For Hi-Intensity Grade, Add	6.38		
10 14 53 00-0021	EA 12" x 30" Aluminum Engineer Grade Traffic Sign.....	55.60		14.52
	For Hi-Intensity Grade, Add	7.97		
10 14 53 00-0022	EA 12" x 36" Aluminum Engineer Grade Traffic Sign.....	60.91		14.52
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0023	EA 18" x 18" Aluminum Engineer Grade Traffic Sign.....	52.94		14.52
	For Hi-Intensity Grade, Add	7.17		
10 14 53 00-0024	EA 18" x 24" Aluminum Engineer Grade Traffic Sign.....	60.91		14.52
	For Hi-Intensity Grade, Add	9.56		
10 14 53 00-0025	EA 18" x 30" Aluminum Engineer Grade Traffic Sign.....	70.59		15.37
	For Hi-Intensity Grade, Add	11.96		
10 14 53 00-0026	EA 18" x 36" Aluminum Engineer Grade Traffic Sign.....	78.56		15.37
	For Hi-Intensity Grade, Add	14.35		
10 14 53 00-0027	EA 18" x 48" Aluminum Engineer Grade Traffic Sign.....	101.33		18.79
	For Hi-Intensity Grade, Add	19.13		
10 14 53 00-0028	EA 18" x 54" Aluminum Engineer Grade Traffic Sign.....	109.30		18.79
	For Hi-Intensity Grade, Add	21.52		
10 14 53 00-0029	EA 24" x 24" Aluminum Engineer Grade Traffic Sign.....	73.25		15.37
	For Hi-Intensity Grade, Add	12.75		
10 14 53 00-0030	EA 24" x 30" Aluminum Engineer Grade Traffic Sign.....	83.88		15.37
	For Hi-Intensity Grade, Add	15.94		
10 14 53 00-0031	EA 24" x 36" Aluminum Engineer Grade Traffic Sign.....	94.50		15.37
	For Hi-Intensity Grade, Add	19.13		
10 14 53 00-0032	EA 24" x 42" Aluminum Engineer Grade Traffic Sign.....	111.96		18.79
	For Hi-Intensity Grade, Add	22.32		
10 14 53 00-0033	EA 24" x 48" Aluminum Engineer Grade Traffic Sign.....	122.59		18.79
	For Hi-Intensity Grade, Add	25.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0034 EA 24" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	133.21 28.69	18.79
10 14 53 00-0035 EA 24" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	143.84 31.88	18.79
10 14 53 00-0036 EA 30" x 30" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	97.16 19.93	15.37
10 14 53 00-0037 EA 30" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	117.27 23.91	18.79
10 14 53 00-0038 EA 30" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	130.56 27.90	18.79
10 14 53 00-0039 EA 30" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	150.67 31.88	22.20
10 14 53 00-0040 EA 30" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	184.07 39.85	25.62
10 14 53 00-0041 EA 36" x 36" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	133.21 28.69	18.79
10 14 53 00-0042 EA 36" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	155.99 33.48	22.20
10 14 53 00-0043 EA 36" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	178.76 38.26	25.62
10 14 53 00-0044 EA 36" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	194.70 43.04	25.62
10 14 53 00-0045 EA 36" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	217.48 47.82	29.03
10 14 53 00-0046 EA 36" x 73" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	258.85 58.19	32.45
10 14 53 00-0047 EA 36" x 78" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	272.13 62.17	32.45
10 14 53 00-0048 EA 36" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	362.08 86.08	37.57
10 14 53 00-0049 EA 42" x 42" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	181.41 39.05	25.62
10 14 53 00-0050 EA 48" x 48" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	228.11 51.01	29.03
10 14 53 00-0051 EA 48" x 54" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	256.19 57.39	32.45
10 14 53 00-0052 EA 48" x 60" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	277.44 63.76	32.45
10 14 53 00-0053 EA 48" x 66" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	308.95 70.14	37.57
10 14 53 00-0054 EA 48" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	330.20 76.52	37.57
10 14 53 00-0055 EA 48" x 84" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	379.54 89.27	40.99
10 14 53 00-0056 EA 48" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	422.05 102.02	40.99
10 14 53 00-0057 EA 48" x 102" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	443.30 108.40	40.99
10 14 53 00-0058 EA 48" x 108" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	467.97 114.77	42.70
10 14 53 00-0059 EA 60" x 72" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	400.80 95.65	40.99
10 14 53 00-0060 EA 72" x 144" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	874.46 229.55	54.65
10 14 53 00-0061 EA 78" x 96" Aluminum Engineer Grade Traffic Sign <i>For Hi-Intensity Grade, Add</i>	638.00 165.78	42.70
10 14 53 00-0062 Non-Reflectorized Traffic Signs <small>(10 14 53 00-0001)</small> Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 00-0063 Steel Non-Reflectorized Traffic Signs <small>(10 14 53 00-0062)</small>		
10 14 53 00-0064 EA 6" x 12" Steel Non Reflectorized Traffic Sign	31.92	13.66
10 14 53 00-0065 EA 6" x 18" Steel Non Reflectorized Traffic Sign	34.22	13.66
10 14 53 00-0066 EA 9" x 12" Steel Non Reflectorized Traffic Sign	34.22	13.66
10 14 53 00-0067 EA 9" x 15" Steel Non Reflectorized Traffic Sign	35.94	13.66
10 14 53 00-0068 EA 9" x 18" Steel Non Reflectorized Traffic Sign	37.67	13.66
10 14 53 00-0069 EA 9" x 24" Steel Non Reflectorized Traffic Sign	42.81	14.52
10 14 53 00-0070 EA 9" x 48" Steel Non Reflectorized Traffic Sign	56.59	14.52
10 14 53 00-0071 EA 12" x 12" Steel Non Reflectorized Traffic Sign	36.52	13.66
10 14 53 00-0072 EA 12" x 18" Steel Non Reflectorized Traffic Sign	42.81	14.52
10 14 53 00-0073 EA 12" x 24" Steel Non Reflectorized Traffic Sign	47.40	14.52
10 14 53 00-0074 EA 12" x 30" Steel Non Reflectorized Traffic Sign	52.00	14.52
10 14 53 00-0075 EA 12" x 36" Steel Non Reflectorized Traffic Sign	56.59	14.52
10 14 53 00-0076 EA 18" x 18" Steel Non Reflectorized Traffic Sign	49.70	14.52
10 14 53 00-0077 EA 18" x 24" Steel Non Reflectorized Traffic Sign	56.59	14.52
10 14 53 00-0078 EA 18" x 30" Steel Non Reflectorized Traffic Sign	65.19	15.37
10 14 53 00-0079 EA 18" x 36" Steel Non Reflectorized Traffic Sign	72.08	15.37
10 14 53 00-0080 EA 18" x 48" Steel Non Reflectorized Traffic Sign	92.69	18.79
10 14 53 00-0081 EA 18" x 54" Steel Non Reflectorized Traffic Sign	99.58	18.79
10 14 53 00-0082 EA 24" x 24" Steel Non Reflectorized Traffic Sign	67.49	15.37
10 14 53 00-0083 EA 24" x 30" Steel Non Reflectorized Traffic Sign	76.68	15.37
10 14 53 00-0084 EA 24" x 36" Steel Non Reflectorized Traffic Sign	85.86	15.37



Specialties	10
Information Specialties	10 10
Signage	10 14

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0085 EA 24" x 42" Steel Non ReflectORIZED Traffic Sign.....	101.88	18.79
10 14 53 00-0086 EA 24" x 48" Steel Non ReflectORIZED Traffic Sign.....	111.07	18.79
10 14 53 00-0087 EA 24" x 54" Steel Non ReflectORIZED Traffic Sign.....	120.25	18.79
10 14 53 00-0088 EA 24" x 60" Steel Non ReflectORIZED Traffic Sign.....	129.44	18.79
10 14 53 00-0089 EA 30" x 30" Steel Non ReflectORIZED Traffic Sign.....	88.16	15.37
10 14 53 00-0090 EA 30" x 36" Steel Non ReflectORIZED Traffic Sign.....	106.47	18.79
10 14 53 00-0091 EA 30" x 42" Steel Non ReflectORIZED Traffic Sign.....	117.96	18.79
10 14 53 00-0092 EA 30" x 48" Steel Non ReflectORIZED Traffic Sign.....	136.27	22.20
10 14 53 00-0093 EA 30" x 60" Steel Non ReflectORIZED Traffic Sign.....	166.07	25.62
10 14 53 00-0094 EA 36" x 36" Steel Non ReflectORIZED Traffic Sign.....	120.25	18.79
10 14 53 00-0095 EA 36" x 42" Steel Non ReflectORIZED Traffic Sign.....	140.87	22.20
10 14 53 00-0096 EA 36" x 48" Steel Non ReflectORIZED Traffic Sign.....	161.48	25.62
10 14 53 00-0097 EA 36" x 54" Steel Non ReflectORIZED Traffic Sign.....	175.26	25.62
10 14 53 00-0098 EA 36" x 60" Steel Non ReflectORIZED Traffic Sign.....	195.88	29.03
10 14 53 00-0099 EA 36" x 73" Steel Non ReflectORIZED Traffic Sign.....	232.57	32.45
10 14 53 00-0100 EA 36" x 78" Steel Non ReflectORIZED Traffic Sign.....	244.05	32.45
10 14 53 00-0101 EA 36" x 108" Steel Non ReflectORIZED Traffic Sign.....	323.20	37.57
10 14 53 00-0102 EA 42" x 42" Steel Non ReflectORIZED Traffic Sign.....	163.77	25.62
10 14 53 00-0103 EA 48" x 48" Steel Non ReflectORIZED Traffic Sign.....	205.07	29.03
10 14 53 00-0104 EA 48" x 54" Steel Non ReflectORIZED Traffic Sign.....	230.27	32.45
10 14 53 00-0105 EA 48" x 60" Steel Non ReflectORIZED Traffic Sign.....	248.64	32.45
10 14 53 00-0106 EA 48" x 66" Steel Non ReflectORIZED Traffic Sign.....	277.27	37.57
10 14 53 00-0107 EA 48" x 72" Steel Non ReflectORIZED Traffic Sign.....	295.64	37.57
10 14 53 00-0108 EA 48" x 84" Steel Non ReflectORIZED Traffic Sign.....	339.22	40.99
10 14 53 00-0109 EA 48" x 96" Steel Non ReflectORIZED Traffic Sign.....	375.97	40.99
10 14 53 00-0110 EA 48" x 102" Steel Non ReflectORIZED Traffic Sign.....	394.34	40.99
10 14 53 00-0111 EA 48" x 108" Steel Non ReflectORIZED Traffic Sign.....	416.13	42.70
10 14 53 00-0112 EA 60" x 72" Steel Non ReflectORIZED Traffic Sign.....	357.60	40.99
10 14 53 00-0113 EA 72" x 144" Steel Non ReflectORIZED Traffic Sign.....	770.78	54.65
10 14 53 00-0114 EA 78" x 96" Steel Non ReflectORIZED Traffic Sign.....	563.12	42.70

10 14 53 00-0115 Aluminum Non-ReflectORIZED Traffic Signs (10 14 53 00-0062)

10 14 53 00-0116 EA 6" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	32.11	13.66
10 14 53 00-0117 EA 6" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	34.50	13.66
10 14 53 00-0118 EA 9" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	34.50	13.66
10 14 53 00-0119 EA 9" x 15" Aluminum Non ReflectORIZED Traffic Sign.....	36.29	13.66
10 14 53 00-0120 EA 9" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	38.09	13.66
10 14 53 00-0121 EA 9" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	43.37	14.52
10 14 53 00-0122 EA 9" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	57.71	14.52
10 14 53 00-0123 EA 12" x 12" Aluminum Non ReflectORIZED Traffic Sign.....	36.89	13.66
10 14 53 00-0124 EA 12" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	43.37	14.52
10 14 53 00-0125 EA 12" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	48.15	14.52
10 14 53 00-0126 EA 12" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	52.93	14.52
10 14 53 00-0127 EA 12" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	57.71	14.52
10 14 53 00-0128 EA 18" x 18" Aluminum Non ReflectORIZED Traffic Sign.....	50.54	14.52
10 14 53 00-0129 EA 18" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	57.71	14.52
10 14 53 00-0130 EA 18" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	66.60	15.37
10 14 53 00-0131 EA 18" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	73.77	15.37
10 14 53 00-0132 EA 18" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	94.94	18.79
10 14 53 00-0133 EA 18" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	102.11	18.79
10 14 53 00-0134 EA 24" x 24" Aluminum Non ReflectORIZED Traffic Sign.....	68.99	15.37
10 14 53 00-0135 EA 24" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	78.55	15.37
10 14 53 00-0136 EA 24" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	88.11	15.37
10 14 53 00-0137 EA 24" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	104.50	18.79
10 14 53 00-0138 EA 24" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	114.06	18.79
10 14 53 00-0139 EA 24" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	123.62	18.79
10 14 53 00-0140 EA 24" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	133.19	18.79
10 14 53 00-0141 EA 30" x 30" Aluminum Non ReflectORIZED Traffic Sign.....	90.50	15.37
10 14 53 00-0142 EA 30" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	109.28	18.79
10 14 53 00-0143 EA 30" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	121.23	18.79
10 14 53 00-0144 EA 30" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	140.02	22.20
10 14 53 00-0145 EA 30" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	170.75	25.62
10 14 53 00-0146 EA 36" x 36" Aluminum Non ReflectORIZED Traffic Sign.....	123.62	18.79
10 14 53 00-0147 EA 36" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	144.80	22.20
10 14 53 00-0148 EA 36" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	165.97	25.62
10 14 53 00-0149 EA 36" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	180.31	25.62
10 14 53 00-0150 EA 36" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	201.49	29.03
10 14 53 00-0151 EA 36" x 73" Aluminum Non ReflectORIZED Traffic Sign.....	239.40	32.45
10 14 53 00-0152 EA 36" x 78" Aluminum Non ReflectORIZED Traffic Sign.....	251.35	32.45
10 14 53 00-0153 EA 36" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	333.31	37.57
10 14 53 00-0154 EA 42" x 42" Aluminum Non ReflectORIZED Traffic Sign.....	168.36	25.62
10 14 53 00-0155 EA 48" x 48" Aluminum Non ReflectORIZED Traffic Sign.....	211.06	29.03
10 14 53 00-0156 EA 48" x 54" Aluminum Non ReflectORIZED Traffic Sign.....	237.01	32.45
10 14 53 00-0157 EA 48" x 60" Aluminum Non ReflectORIZED Traffic Sign.....	256.13	32.45
10 14 53 00-0158 EA 48" x 66" Aluminum Non ReflectORIZED Traffic Sign.....	285.51	37.57
10 14 53 00-0159 EA 48" x 72" Aluminum Non ReflectORIZED Traffic Sign.....	304.63	37.57
10 14 53 00-0160 EA 48" x 84" Aluminum Non ReflectORIZED Traffic Sign.....	349.70	40.99
10 14 53 00-0161 EA 48" x 96" Aluminum Non ReflectORIZED Traffic Sign.....	387.95	40.99
10 14 53 00-0162 EA 48" x 102" Aluminum Non ReflectORIZED Traffic Sign.....	407.07	40.99
10 14 53 00-0163 EA 48" x 108" Aluminum Non ReflectORIZED Traffic Sign.....	429.61	42.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0164 EA 60" x 72" Aluminum Non Reflectorized Traffic Sign	368.83	40.99
10 14 53 00-0165 EA 72" x 144" Aluminum Non Reflectorized Traffic Sign	797.74	54.65
10 14 53 00-0166 EA 78" x 96" Aluminum Non Reflectorized Traffic Sign	582.59	42.70
10 14 53 00-0167 Aluminum Street Signs (10 14 53 00-0001) Note: Excludes posts.		
10 14 53 00-0168 Aluminum Engineer Grade Street Signs (10 14 53 00-0167)		
10 14 53 00-0169 EA 6" High, Aluminum Engineer Grade Street Sign	57.60	6.83
10 14 53 00-0170 EA 8" High, Aluminum Engineer Grade Street Sign	65.36	6.83
10 14 53 00-0171 EA 9" High, Aluminum Engineer Grade Street Sign	71.14	6.83
10 14 53 00-0172 Street Sign Accessories (10 14 53 00-0167)		
10 14 53 00-0173 EA Post Cap And Single Bracket For Street Sign.....	17.40	3.41
10 14 53 00-0174 EA Post Cap And Double Bracket For Street Sign	17.40	3.41
10 14 53 00-0175 Sign Posts (10 14 53 00-0001) Note: Excludes sign. See CSI section 32 31 13 00-0001 for auguring of holes and backfill.		
10 14 53 00-0176 U-Channel Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0177 Baked Enamel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0178 EA 3' To 4' Baked Enamel U-Channel Sign Post Base.....	46.21	13.93
10 14 53 00-0179 EA 6' Baked Enamel U-Channel Sign Post.....	60.62	17.41
10 14 53 00-0180 EA 7' Baked Enamel U-Channel Sign Post.....	72.39	20.90
10 14 53 00-0181 EA 8' Baked Enamel U-Channel Sign Post.....	84.76	24.38
10 14 53 00-0182 EA 10' Baked Enamel U-Channel Sign Post.....	102.27	29.61
10 14 53 00-0183 EA 12' Baked Enamel U-Channel Sign Post.....	105.21	29.61
10 14 53 00-0184 Galvanized Steel U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0185 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	49.99	13.93
10 14 53 00-0186 EA 6' Galvanized Steel U-Channel Sign Post.....	66.62	17.41
10 14 53 00-0187 EA 7' Galvanized Steel U-Channel Sign Post.....	85.96	20.90
10 14 53 00-0188 EA 8' Galvanized Steel U-Channel Sign Post.....	99.76	24.38
10 14 53 00-0189 EA 10' Galvanized Steel U-Channel Sign Post.....	113.19	29.61
10 14 53 00-0190 EA 12' Galvanized Steel U-Channel Sign Post.....	114.71	29.61
10 14 53 00-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts (10 14 53 00-0176)		
10 14 53 00-0192 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	45.32	13.93
10 14 53 00-0193 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	58.68	17.41
10 14 53 00-0194 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	70.05	20.90
10 14 53 00-0195 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	81.97	24.38
10 14 53 00-0196 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	97.21	29.61
10 14 53 00-0197 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	102.21	29.61
10 14 53 00-0198 Tubular Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0199 2-3/8" Diameter, Galvanized Steel Tubular Sign Post (10 14 53 00-0198)		
10 14 53 00-0200 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	67.24	17.41
10 14 53 00-0201 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	79.80	20.90
10 14 53 00-0202 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	94.26	24.38
10 14 53 00-0203 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	121.40	29.61
10 14 53 00-0204 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	131.70	29.61
10 14 53 00-0205 Square Sign Posts (10 14 53 00-0175) Note: Excludes digging and concrete.		
10 14 53 00-0206 Galvanized Steel Square Sign Posts (10 14 53 00-0205)		
10 14 53 00-0207 EA 3' To 4' Galvanized Steel Square Sign Post Base	50.83	13.93
10 14 53 00-0208 EA 6' Galvanized Steel Square Sign Post	80.83	17.41
10 14 53 00-0209 EA 7' Galvanized Steel Square Sign Post	94.80	20.90
10 14 53 00-0210 EA 8' Galvanized Steel Square Sign Post	110.58	24.38
10 14 53 00-0211 EA 10' Galvanized Steel Square Sign Post	135.02	29.61
10 14 53 00-0212 EA 12' Galvanized Steel Square Sign Post	142.21	29.61
10 14 53 00-0213 Other Sign Posts And Bases (10 14 53 00-0001) Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 00-0214 2.5 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 00-0213)		
10 14 53 00-0215 Base Posts, 2.5 LB/LF, For Breakaway Sign Posts (10 14 53 00-0214)		
10 14 53 00-0216 EA Base Post for 2.5 LB/LF Breakaway Sign Post.....	61.18	17.07



Specialties	10	10
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0217 EA Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	33.85	13.66
10 14 53 00-0218 Breakaway Sign Posts, 2.5 LB/LF (10 14 53 00-0214)		
10 14 53 00-0219 LF 2.5 LB/LF Breakaway Sign Post.....	6.69	1.71
10 14 53 00-0220 4 LB/FT Breakaway Sign Posts And Base Posts (10 14 53 00-0213)		
10 14 53 00-0221 Base Posts, 4 LB/LF, For Breakaway Sign Posts (10 14 53 00-0220)		
10 14 53 00-0222 EA Base Post For 4 LB/LF Breakaway Sign Post.....	63.43	20.50
10 14 53 00-0223 EA Lap Splice Hardware for 4 LB/LF Breakaway Sign Post.....	33.85	13.66
10 14 53 00-0224 Breakaway Sign Posts, 4 LB/LF (10 14 53 00-0220)		
10 14 53 00-0225 LF 4 LB/LF Breakaway Sign Post.....	8.08	1.71
10 14 53 00-0226 Driven Sign Posts (10 14 53 00-0213)		
10 14 53 00-0227 Driven Posts, 2.5 LB/LF (10 14 53 00-0226)		
10 14 53 00-0228 LF 2.5 LB/LF Driven Post.....	7.37	2.39
10 14 53 00-0229 Driven Posts, 4 LB/LF (10 14 53 00-0226)		
10 14 53 00-0230 LF 4 LB/LF Driven Post.....	9.10	2.73
10 14 53 00-0231 Omni-Directional Breakaway System For Sign Posts And Light Poles (10 14 53 00-0213)		
10 14 53 00-0232 Omni-Directional Breakaway Systems For Signs (10 14 53 00-0231)		
Note: Break-Safe as manufactured by Transpo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 00-0233 EA Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	740.05	
10 14 53 00-0234 EA Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	788.53	
10 14 53 00-0235 EA Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	540.59	
10 14 53 00-0236 EA Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	473.49	
10 14 53 00-0237 EA Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	536.87	
10 14 53 00-0238 EA Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	510.77	
10 14 53 00-0239 EA Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	553.65	
10 14 53 00-0240 Omni-Directional Breakaway Systems For Poles (10 14 53 00-0231)		
Note: Pole-Safe as Manufactured by Transpo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 00-0241 EA Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	257.81	
10 14 53 00-0242 EA Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	270.29	
10 14 53 00-0243 EA Omni-Directional Breakaway System For Poles With 1" Couplings.....	280.68	
10 14 53 00-0244 EA Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	426.22	
10 14 53 00-0245 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	37.42	
10 14 53 00-0246 EA Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	49.90	
10 14 53 00-0247 Wood Posts (10 14 53 00-0213)		
Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
10 14 53 00-0248 LF 4" x 4" Pressure Treated Wood Sign Post.....	8.58	
10 14 53 00-0249 Sign Post Accessories (10 14 53 00-0001)		
10 14 53 00-0250 Sign Post Brackets (10 14 53 00-0249)		
10 14 53 00-0251 EA 2-3/8" Outside Diameter, Single Sign Bracket Set.....	22.93	5.13
10 14 53 00-0252 EA 2-3/8" Outside Diameter, Double Sign Bracket Set.....	41.36	8.54
10 14 53 00-0253 EA 10 cm - 37 cm Diameter, Buckle Bracket Set.....	35.65	6.83
10 14 53 00-0254 Sign Post Caps (10 14 53 00-0249)		
10 14 53 00-0255 EA Traffic Sign Post Cap.....	12.72	3.41
10 14 53 00-0256 Sign Post Replacement Bolts (10 14 53 00-0249)		
10 14 53 00-0257 EA Signage Fasteners, 2 Bolts, 2 Nuts And 4 Washers.....	8.82	
10 14 53 00-0258 Reflective Panels For "U" Channel Post (10 14 53 00-0249)		
10 14 53 00-0259 EA 3" x 72" Reflective Panel For "U-Channel" Post.....	45.62	
Note: Diamond grade panel including mounting hardware.		

10 Specialties**10 10 Information Specialties****10 14 Signage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 00-0260 Removal Of Signs <small>(10 14 53)</small> Note: Includes structural supports.		
10 14 53 00-0261 EA >4 To 10 SF Sign Area, Sign Removal	136.63	
10 14 53 00-0262 EA >10 To 20 SF Sign Area, Sign Removal	327.91	
10 14 53 00-0263 EA >20 To 40 SF Sign Area, Sign Removal	491.86	
10 14 53 00-0264 EA >40 To 100 SF Sign Area, Sign Removal	775.38	
 10 14 53 00-0265 Remove And Reinstall Signs <small>(10 14 53)</small> Note: Includes structural supports.		
10 14 53 00-0266 EA >4 To 10 SF Sign Area, Remove And Reinstall Sign	208.24	
10 14 53 00-0267 EA >10 To 20 SF Sign Area, Remove And Reinstall Sign	494.21	
10 14 53 00-0268 EA >20 SF To 40 SF Sign Area, Remove And Reinstall Sign	739.78	
10 14 53 00-0269 EA >40 SF To 100 SF Sign Area, Remove And Reinstall Sign	1,164.93	
10 14 53 00-0270 EA Remove And Reinstall Street Sign On Post	78.56	
10 14 53 00-0271 EA Remove And Relocate Traffic Light	268.55	
		Note: Excludes electrical hookup.
 10 14 53 00-0272 Traffic Signs (Monterey County) <small>(10 14 53)</small>		
10 14 53 00-0273 EA Roadside Sign-One Post (Monterey County)	294.23	20.90
10 14 53 00-0274 EA Install Roadside Sign Panel On Existing Post (Monterey County)	153.30	

END OF SECTION 10



Equipment	11	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment And Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 Equipment

11 60 Entertainment and Recreation Equipment ⁽¹¹⁾

11 68 Play Field Equipment And Structures ^(11 60)

11 68 13 Playground Equipment ^(11 68)

See CSI section 32 31 13 00-0001 for augering holes and fill for posts.

<p>11 68 13 00-0001 Standalone Playground Equipment ^(11 68 13)</p> <p>11 68 13 00-0002 Ground Socket For Movable Posts ^(11 68 13 00-0001)</p> <p style="margin-left: 20px;">11 68 13 00-0003 PR Ground Socket For 2-3/8" Post For Playground Equipment</p> <p style="margin-left: 20px;">11 68 13 00-0004 PR Ground Socket For 3-1/2" Post For Playground Equipment</p> <p>11 68 13 00-0005 See-Saws ^(11 68 13 00-0001)</p> <p>11 68 13 00-0006 Steel See-Saw ^(11 68 13 00-0005)</p> <p style="margin-left: 20px;">11 68 13 00-0007 EA 2 Unit Steel See-Saw.....</p> <p style="margin-left: 20px;">11 68 13 00-0008 EA 4 Unit Steel See-Saw.....</p> <p style="margin-left: 20px;">11 68 13 00-0009 EA 6 Unit Steel See-Saw.....</p> <p>11 68 13 00-0010 14' Long Laminated Beam ^(11 68 13 00-0005)</p> <p style="margin-left: 20px;">11 68 13 00-0011 EA Beam Is Supported By Two 12 In x 12 In Stepping Column Posts</p> <p style="margin-left: 20px;">11 68 13 00-0012 EA Beam Is Supported By Two 8 In x 8 In Posts.....</p> <p>11 68 13 00-0013 Slides ^(11 68 13 00-0001)</p> <p style="margin-left: 20px;">11 68 13 00-0014 EA 8' Long x 4' High Slide With Stainless Steel Bed</p> <p style="margin-left: 20px;">11 68 13 00-0015 EA 12' Long x 6' High Slide With Stainless Steel Bed</p> <p style="margin-left: 20px;">11 68 13 00-0016 EA 16' Long x 8' High Slide With Stainless Steel Bed</p> <p style="margin-left: 20px;">11 68 13 00-0017 EA 20' Long x 10' High Slide With Stainless Steel Bed</p> <p style="margin-left: 20px;">11 68 13 00-0018 EA 6' High, 360 Degree One Piece Molded Polyethylene Slide</p> <p style="margin-left: 20px;">11 68 13 00-0019 EA 7' High, 360 Degree Slide, Stainless Steel Bed</p> <p style="margin-left: 20px;">11 68 13 00-0020 EA 9' High, 360 Degree Slide, Stainless Steel Bed</p> <p>11 68 13 00-0021 Whirlers ^(11 68 13 00-0001)</p> <p style="margin-left: 20px;">11 68 13 00-0022 EA 8' Diameter Whirler</p> <p style="margin-left: 20px;">11 68 13 00-0023 EA 10' Diameter Whirler</p> <p>11 68 13 00-0024 Other Standalone Playground Equipment ^(11 68 13 00-0001)</p> <p>11 68 13 00-0025 Miscellaneous Standalone Playground Equipment ^(11 68 13 00-0024)</p> <p style="margin-left: 20px;">11 68 13 00-0026 EA Horizontal Ladder</p> <p style="margin-left: 20px;">11 68 13 00-0027 EA Tether Ball Post.....</p> <p style="margin-left: 20px;">11 68 13 00-0028 PR 10'-6" Long Multiple Purpose Post.....</p> <p style="margin-left: 20px;">11 68 13 00-0029 EA 3-Person Fiberglass Golf Tee Shelter Turntable.....</p> <p style="margin-left: 20px;">11 68 13 00-0030 EA Horizontal Turning Bars, 1 Bar.....</p> <p style="margin-left: 20px;">11 68 13 00-0031 EA Horizontal Turning Bars, 2 Bars.....</p> <p style="margin-left: 20px;">11 68 13 00-0032 EA Horizontal Turning Bars, 3 Bars.....</p> <p style="margin-left: 20px;">11 68 13 00-0033 EA Horizontal Turning Bars, 5 Bars.....</p> <p style="margin-left: 20px;">11 68 13 00-0034 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole.....</p> <p style="margin-left: 20px;">11 68 13 00-0035 EA Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole.....</p> <p style="margin-left: 20px;">11 68 13 00-0036 EA Coil Spring With Single Riding Aluminum Saddle Devices</p> <p style="margin-left: 20px;">11 68 13 00-0037 EA "C" Spring With Single Riding Aluminum Saddle Devices</p> <p style="margin-left: 20px;">11 68 13 00-0038 EA Rubber Spring With Single Riding Aluminum Saddle Devices.....</p> <p style="margin-left: 20px;">11 68 13 00-0039 EA Coil Spring Assembly Only</p> <p style="margin-left: 20px;">11 68 13 00-0040 EA "C" Spring Assembly Only</p> <p style="margin-left: 20px;">11 68 13 00-0041 EA Rubber Spring Assembly Only.....</p> <p style="margin-left: 20px;">11 68 13 00-0042 EA Footbuck Assembly Only.....</p> <p style="margin-left: 20px;">11 68 13 00-0043 EA Replacement Animal Only</p> <p style="margin-left: 20px;">11 68 13 00-0044 EA Two Seat, Two Spring Action Cars (4'-8" x 2'-8").....</p> <p>11 68 13 00-0045 Freestanding Panels ^(11 68 13 00-0024)</p> <p style="margin-left: 20px;">Note: Rotomolded polyethylene.</p> <p style="margin-left: 20px;">11 68 13 00-0046 EA Tic-Tac-Toe Panel</p> <p style="margin-left: 20px;">11 68 13 00-0047 EA 24" Bubble Panel</p> <p style="margin-left: 20px;">11 68 13 00-0048 EA Fire Engine Panel</p> <p style="margin-left: 20px;">11 68 13 00-0049 EA Flat Mirror Panel</p> <p style="margin-left: 20px;">11 68 13 00-0050 EA Wavy Mirror Panel</p> <p style="margin-left: 20px;">11 68 13 00-0051 EA Paint Time Panel</p> <p style="margin-left: 20px;">11 68 13 00-0052 EA Phone Time Panel</p> <p style="margin-left: 20px;">11 68 13 00-0053 EA Phone Time With Graphic Panel.....</p> <p style="margin-left: 20px;">11 68 13 00-0054 EA Race Time Panel</p>	<p>185.45</p> <p>263.02</p> <p>1,470.24</p> <p>3,101.88</p> <p>1,460.54</p> <p>1,044.27</p> <p>1,771.57</p> <p>2,497.25</p> <p>2,767.17</p> <p>3,409.67</p> <p>4,943.61</p> <p>9,767.64</p> <p>12,169.64</p> <p>3,826.48</p> <p>4,464.64</p> <p>1,171.14</p> <p>206.04</p> <p>321.36</p> <p>2,086.25</p> <p>392.09</p> <p>521.28</p> <p>701.80</p> <p>1,018.36</p> <p>988.31</p> <p>1,087.02</p> <p>1,068.83</p> <p>676.05</p> <p>840.07</p> <p>281.52</p> <p>187.12</p> <p>214.89</p> <p>48.67</p> <p>682.92</p> <p>1,208.91</p> <p>514.93</p> <p>771.38</p> <p>1,132.03</p> <p>905.64</p> <p>1,340.41</p> <p>869.57</p> <p>617.11</p> <p>617.11</p> <p>1,081.94</p>	<p>46.34</p> <p>46.34</p> <p>285.14</p> <p>336.97</p> <p>411.86</p> <p>252.13</p> <p>224.60</p> <p>326.06</p> <p>463.34</p> <p>514.82</p> <p>570.29</p> <p>897.10</p> <p>925.45</p> <p>972.67</p> <p>617.79</p> <p>741.35</p> <p>165.10</p> <p>32.26</p> <p>57.04</p> <p>161.17</p> <p>86.16</p> <p>102.98</p> <p>137.30</p> <p>188.79</p> <p>78.60</p> <p>84.86</p> <p>90.96</p> <p>78.26</p> <p>102.49</p> <p>37.69</p> <p>25.13</p> <p>49.02</p> <p>6.59</p> <p>53.41</p> <p>94.26</p> <p>40.37</p> <p>60.48</p> <p>88.76</p> <p>71.05</p> <p>105.17</p> <p>68.24</p> <p>48.40</p> <p>48.40</p> <p>84.86</p>
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11 Equipment**11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment And Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0055 EA Rescue 911 Panel.....	1,097.15	84.86
11 68 13 00-0056 EA Eastern/Central/Western States Panel.....	591.07	46.34
11 68 13 00-0057 EA Career People Panel.....	671.21	52.65
11 68 13 00-0058 EA Solar System Panel.....	671.21	52.65
11 68 13 00-0059 EA Animals Panel.....	671.21	52.65
11 68 13 00-0060 Freestanding Panels Uprights <small>(11 68 13 00-0024)</small>		
11 68 13 00-0061 EA 3-1/2" Outside Diameter End Panel Upright.....	166.88	22.66
11 68 13 00-0062 EA 3-1/2" Outside Diameter 90 Degree Upright.....	180.79	24.51
11 68 13 00-0063 EA 3-1/2" Outside Diameter 180 Degree Upright.....	180.79	24.51
11 68 13 00-0064 EA 3-1/2" Outside Diameter "T-Shaped" Upright.....	192.39	26.09
11 68 13 00-0065 Coasters <small>(11 68 13 00-0024)</small>		
11 68 13 00-0066 EA 12' Single Metal Coaster With Four Posts.....	3,956.65	274.60
11 68 13 00-0067 EA 18' Single Metal Coaster With Four Posts.....	4,449.97	343.25
11 68 13 00-0068 EA 12' Double Metal Coaster With Four Posts.....	6,377.55	411.90
11 68 13 00-0069 EA 18' Double Metal Coaster With Four Posts.....	7,285.54	514.88
11 68 13 00-0070 Climbers <small>(11 68 13 00-0024)</small>		
11 68 13 00-0071 EA Tower Climber, 3.17' Diameter x 7.25' High.....	819.09	183.43
11 68 13 00-0072 EA Arch Climber, 2' x 12' x 4.5' High.....	757.77	224.63
11 68 13 00-0073 EA Arch Climber, 2' x 15' x 5.83' High.....	811.97	183.43
11 68 13 00-0074 EA Arch Climber, 2' x 17' x 6.58' High.....	863.31	224.63
11 68 13 00-0075 EA Rainbow Climber, 2' x 10'-5" x 4' High.....	915.59	183.23
11 68 13 00-0076 EA Rainbow Climber, 2' x 10'-5" x 5' High.....	1,010.61	183.29
11 68 13 00-0077 EA Rainbow Climber, 2' x 12'-5" x 6' High.....	1,156.14	183.29
11 68 13 00-0078 EA Rainbow Climber, 2' x 15'-4" x 7' High.....	1,251.32	183.23
11 68 13 00-0079 EA Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	1,505.20	214.54
11 68 13 00-0080 EA 12' Long Horizontal Ladder Climber.....	1,215.43	160.14
11 68 13 00-0081 EA 14' Long Horizontal Ladder Climber.....	1,231.45	160.14
11 68 13 00-0082 EA 16' Long Horizontal Ladder Climber.....	1,337.49	160.14
11 68 13 00-0083 EA Bell Climber, 7'-5" High With Double Bars.....	1,296.80	205.95
11 68 13 00-0084 EA 2-Way Climber.....	1,095.61	165.10
11 68 13 00-0085 EA 4-Way Climber.....	1,671.25	165.10
11 68 13 00-0086 Swings <small>(11 68 13 00-0001)</small>		
11 68 13 00-0087 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0088 EA 8' High Top Rail, One Section Two Seats.....	1,075.38	252.13
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	122.41	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	128.13	
11 68 13 00-0089 EA 8' High Top Rail, Two Sections Four Seats.....	1,700.89	360.79
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	194.59	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	207.55	
11 68 13 00-0090 EA 8' High Top Rail, Three Sections, Six Seats.....	2,358.24	530.89
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	269.49	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	286.24	
11 68 13 00-0091 EA 8' High Top Rail, Four Sections, Eight Seats.....	2,944.67	617.79
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	337.19	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	360.83	
11 68 13 00-0092 EA 10' High Top Rail, One Section Two Seats.....	1,136.72	252.13
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	130.08	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	138.86	
11 68 13 00-0093 EA 10' High Top Rail, Two Section Four Seats.....	1,789.54	384.26
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	203.95	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	214.48	
11 68 13 00-0094 EA 10' High Top Rail, Three Sections, Six Seats.....	2,486.56	596.72
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	282.39	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	293.02	
11 68 13 00-0095 EA 10' High Top Rail, Four Sections, Eight Seats.....	3,272.95	720.76
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	373.07	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	392.51	
11 68 13 00-0096 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <small>(11 68 13 00-0086)</small>		
Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0097 EA 8' High Top Rail, One Section, Two Seats.....	1,197.14	222.68
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	138.51	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	153.82	
11 68 13 00-0098 EA 8' High Top Rail, Two Sections, Four Seats.....	1,737.46	323.10
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	201.03	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	223.28	
11 68 13 00-0099 EA 8' High Top Rail, Three Sections, Six Seats.....	2,318.68	432.11
For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	268.23	
For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	297.74	



Equipment	11
Entertainment and Recreation Equipment	11 60
Play Field Equipment And Structures	11 68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0100	EA	8' High Top Rail, Four Sections, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,881.00 334.38 375.45	514.82
11 68	13 00-0101	EA	10' High Top Rail, One Section, Two Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,349.90 156.19 173.50	250.96
11 68	13 00-0102	EA	10' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,404.38 162.87 182.38	266.13
11 68	13 00-0103	EA	10' High Top Rail, Two Sections, Four Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,885.20 218.08 242.07	351.32
11 68	13 00-0104	EA	10' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,244.00 261.21 296.23	405.00
11 68	13 00-0105	EA	10' High Top Rail, Three Section, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,509.25 290.29 322.26	467.39
11 68	13 00-0106	EA	10' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,081.19 359.40 410.48	515.03
11 68	13 00-0107	EA	10' High Top Rail, Four Section, Eight Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,198.96 368.97 405.34	617.79
11 68	13 00-0108	EA	12' High Top Rail, One Section Three Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	1,465.29 170.17 191.49	272.59
11 68	13 00-0109	EA	12' High Top Rail, Two Sections, Six Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,380.63 276.69 312.15	438.56
11 68	13 00-0110	EA	12' High Top Rail, Three Sections, Nine Seats <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,518.40 405.48 444.11	702.43
11 68	13 00-0111		Swing Accessories <small>(11 68 13 00-0086)</small>		
11 68	13 00-0112	EA	Enclosed Tot Seat With Chain And Hardware	321.87	20.69
11 68	13 00-0113	EA	Bucket Seat With Chain And Hardware	267.58	17.21
11 68	13 00-0114	EA	Belt Seat With Chain And Hardware	285.02	18.37
11 68	13 00-0115	EA	Seat With Chain And Hardware	281.15	18.10
11 68	13 00-0116	EA	Wide Seat With Chain And Hardware	296.77	19.12
11 68	13 00-0117	EA	Handi Seat With Chain And Hardware	886.10	57.03
11 68	13 00-0118	LF	0.4 LB/LF Replacement Chain	3.83	0.41
11 68	13 00-0119	LF	1 LB/LF Replacement Chain	7.12	0.82
11 68	13 00-0120	EA	Swing Hanger Replacement	41.59	4.72
11 68 23			Exterior Court Athletic Equipment <small>(11 68)</small>		
11 68 23 13			Exterior Basketball Equipment <small>(11 68 23)</small>		
11 68 23 13-0001			Basketball Systems <small>(11 68 23 13)</small> See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
11 68 23 13-0002	EA		4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System	1,342.43	173.28
			Note: Sportsplay 541-616.		
11 68 23 13-0003	EA		5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,754.53	190.61
			Note: Porter Athletic 176-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	318.00	
11 68 23 13-0004	EA		4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,117.11	173.28
			Note: Porter Athletic 164-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	318.00	
11 68 23 13-0005	EA		4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,391.91	190.61
			Note: Porter Athletic 166-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	318.00	
11 68 23 13-0006	EA		Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	3,371.18	254.82
			Note: Porter Athletic 184-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-266.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	636.00	
11 68 23 13-0007	EA		Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	3,770.80	280.30
			Note: Porter Athletic 186-234.		
			<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-266.00	
			<i>For 42" x 72" Perforated Steel Backboard, Add</i>	636.00	
11 68 23 13-0008			Basketball Components <small>(11 68 23 13)</small> See CSI section 32 31 13 00-0001 for auguring holes and concrete.		

11 Equipment
11 60 Entertainment and Recreation Equipment
11 68 Play Field Equipment And Structures



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0009	EA		Nylon Cord Basketball Net..... Note: Porter Athletic 9608-120.	24.95	6.86
11 68 23 13-0010	EA		Chain Basketball Net Note: Porter Athletic 161.	54.37	6.86
11 68 23 13-0011	EA		Heavy Duty Goal Ring Note: Porter Athletic 235.	241.33	34.32
11 68 23 13-0012	EA		Goal Ring For Steel Net..... Note: Porter Athletic 251.	226.59	15.45
11 68 23 13-0013	EA		42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 00204-000.	974.71	29.18
11 68 23 13-0014	EA		42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 1207-300.	864.19	29.18
11 68 23 13-0015	EA		42" x 72" Rectangular Melamine Surfaced Particle Board Basketball Backboard..... Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 228-300.	555.73	24.03
11 68 23 13-0016	EA		54" x 39" Fan Shaped Cast Aluminum Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 234-300.	491.25	25.75
			<i>For No Perimeter And Target Markings, Deduct</i>	-43.98	
11 68 23 13-0017	EA		54" x 39" Fan Shaped Fiberglass Basketball Backboard Note: Includes perimeter and target markings. Excludes pole and goal. Porter Athletic 267-000.	338.14	25.75

11 68 23 33 Tennis Equipment (11 68 23)

11 68 23 33-0001 Tennis Court Net Posts (11 68 23 33)

11 68 23 33-0002	PR		Round, Powder Coated Steel, Tennis Court Net Posts With External Winder.....	758.16	116.69
11 68 23 33-0003	PR		Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	912.51	116.69
11 68 23 33-0004	PR		Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder.....	938.23	116.69
11 68 23 33-0005	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder.....	982.72	116.69
11 68 23 33-0006	PR		Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder.....	1,141.11	116.69
11 68 23 33-0007	PR		Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts.....	187.44	
11 68 23 33-0008	PR		Galvanized Steel Ground Sleeves For Tennis Court Net Posts.....	206.67	

11 68 23 33-0009 Tennis Court Nets (11 68 23 33)

11 68 23 33-0010	EA		42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	372.56	115.32
11 68 23 33-0011	EA		42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net.....	403.25	115.32
11 68 23 33-0012	EA		42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net.....	834.68	177.44
11 68 23 33-0013	EA		Galvanized Steel Anchor For Tennis Court Net Center Strap.....	50.12	

11 68 33 Athletic Field Equipment (11 68)

11 68 33 13 Football Field Equipment (11 68 33)

11 68 33 13-0001 Football Goal Posts (11 68 33 13)

			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR		Double Steel Football Goal Posts, "H Shape".....	3,009.98	308.93
11 68 33 13-0003	PR		Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights.....	3,946.52	356.57
11 68 33 13-0004	PR		Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights.....	4,714.15	427.88

11 68 33 23 Soccer And Field Hockey Equipment (11 68 33)

11 68 33 23-0001 Soccer Goal Posts (11 68 33 23)

			Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR		Regulation Soccer Goal Posts.....	2,759.51	205.93
11 68 33 23-0003	PR		Combination Football/Soccer Goal Post.....	3,338.78	308.93

11 68 33 33 Baseball Field Equipment (11 68 33)

11 68 33 33-0001 Bases (11 68 33 33)

11 68 33 33-0002	SET		Bases For Baseball Or Softball.....	306.78	
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11 80 Facility Maintenance and Operation Equipment (11)

11 82 Facility Solid Waste Handling Equipment (11 80)

11 82 19 Packaged Incinerators (11 82)

11 82 19 00-0001 Electric Incinerator (11 82 19)

11 82 19 00-0002	EA		Electric Package Incinerator, 100 LB/Hour.....	21,263.75	825.45
11 82 19 00-0003	EA		Electric Package Incinerator, 400 LB/Hour.....	43,484.11	1,650.90
11 82 19 00-0004	EA		Electric Package Incinerator, 1,000 LB/Hour.....	145,047.57	2,476.35

11 82 26 Facility Waste Compactors (11 82)

11 82 26 00-0001 110 Volt Compactors (11 82 26)

11 82 26 00-0002	EA		Waste Compactor, 110 Volt At 75 LB/Hour.....	11,338.94	316.04
11 82 26 00-0003	EA		Waste Compactor, 110 Volt At 250 LB/Hour.....	14,267.58	758.50



Equipment	11	11
Facility Maintenance and Operation Equipment	11 80	
Facility Solid Waste Handling Equipment	11 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0004 230 Volt Compactors <small>(11 82 26)</small>		
11 82 26 00-0005 EA Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed.....	14,255.02	1,011.33
11 82 26 00-0006 EA Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed.....	16,085.38	1,327.37
11 82 26 00-0007 Trash Compactors <small>(11 82 26)</small>		
11 82 26 00-0008 EA Trash Compactor, Small	2,609.15	220.11
11 82 26 00-0009 EA Trash Compactor, Large.....	3,212.95	249.08

END OF SECTION 11

11	11	Equipment
	11 80	Facility Maintenance and Operation Equipment
	11 82	Facility Solid Waste Handling Equipment



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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Special Construction	13
Integrated Construction	13 40
Facility Protection	13 47

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 Special Construction

13 40 Integrated Construction ⁽¹³⁾

13 47 Facility Protection ^(13 40)

13 47 13 Cathodic Protection ^(13 47)

13 47 13 13 Cathodic Protection for Underground and Submerged Piping ^(13 47 13)

13 47 13 13-0001	EA	Anodes ^(13 47 13 13)		
13 47 13 13-0002	EA	Magnesium Type, Conventional ^(13 47 13 13-0001)		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	276.62	118.69
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	411.82	171.54
13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	566.38	220.69
13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	808.05	308.78
13 47 13 13-0007	EA	Graphite Type ^(13 47 13 13-0001) Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	417.87	167.02
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	659.94	233.22
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	506.55	145.95
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	785.99	194.85
13 47 13 13-0012	EA	High Silicon Cast Iron Type ^(13 47 13 13-0001)		
13 47 13 13-0013	EA	2.66" x 84" High Silicon Cast Iron Anode, 70 LB	1,175.44	233.22
13 47 13 13-0014	EA	Metal Oxide Type ^(13 47 13 13-0001)		
13 47 13 13-0015	EA	1" x 60" Mixed Metal Oxide Anode, 5 LB	593.76	118.69
		Note: Includes center connected #8 HMWPE/HALAR Lead wire.		
13 47 13 13-0016	EA	Rectifiers ^(13 47 13 13)		
13 47 13 13-0017	EA	Air Cooled, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0018	EA	Air Cooled Rectifiers, 28 Volt, 10 Amp Silicon Type	1,272.55	237.00
13 47 13 13-0019	EA	Air Cooled Rectifiers, 20 Volt / 20 Amp Silicon Type	1,372.20	237.00
13 47 13 13-0020	EA	Oil Immersed, Silicon Type ^(13 47 13 13-0016)		
13 47 13 13-0021	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amp Silicon Type.....	1,899.87	274.04
13 47 13 13-0022	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amp Silicon Type.....	2,006.65	274.04
13 47 13 13-0023	EA	Anode Backfill ^(13 47 13 13)		
13 47 13 13-0024	EA	Anode Backfill, Coke Breeze	0.80	0.30
13 47 13 13-0025	EA	Cathodic Protection Cable ^(13 47 13 13)		
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 8	1,536.17	583.81
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2 - No 6	1,699.53	583.81
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 4	1,944.57	583.81
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 2	2,352.96	583.81
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 1	2,917.76	643.24
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2-No 1/0	3,224.05	643.24
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2-No 2/0	3,734.54	643.24
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 4/0	5,075.07	701.17
13 47 13 13-0034	EA	Cathodic Test Stations ^(13 47 13 13)		
13 47 13 13-0035	EA	Flush Curb Box Type With Lockable Cover And Terminal Box ^(13 47 13 13-0034)		
13 47 13 13-0036	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	220.43	68.30
13 47 13 16	EA	Cathodic Protection for Underground Storage Tank ^(13 47 13) See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		

END OF SECTION 13

13 Special Construction

13 40 Integrated Construction

13 47 Facility Protection



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 05 Common Work Results for Plumbing ⁽²²⁾

22 05 23 General-Duty Valves For Plumbing Piping ^(22 05)

22 05 23 00-0001 Mud Valves (Drain Plug Valves) ^(22 05 23)

Note: For settling basins, waterworks, sewage treatment plants where sedimentateous material must be flushed from system.

22 05 23 00-0002	EA 4" Flanged End, Non Rising Stem Mud Valve	754.14	160.38
22 05 23 00-0003	EA 6" Flanged End, Non Rising Stem Mud Valve	895.19	224.51
22 05 23 00-0004	EA 8" Flanged End, Non Rising Stem Mud Valve	1,117.28	250.59
22 05 23 00-0005	EA 10" Flanged End, Non Rising Stem Mud Valve	1,650.07	306.92
22 05 23 00-0006	EA 12" Flanged End, Non Rising Stem Mud Valve	1,941.12	372.03
22 05 23 00-0007	EA 14" Flanged End, Non Rising Stem Mud Valve	3,542.08	449.01
22 05 23 00-0008	EA 16" Flanged End, Non Rising Stem Mud Valve	4,192.66	493.92
22 05 23 00-0009	EA 18" Flanged End, Non Rising Stem Mud Valve	4,772.73	594.74
22 05 23 00-0010	EA 24" Flanged End, Non Rising Stem Mud Valve	6,691.07	823.43

22 05 23 00-0011 Regulators, Clay Valve ^(22 05 23)

22 05 23 00-0012	EA 4" Regulator - Clay Valve..... ^(22 05 23)	1,174.26	
22 05 23 00-0013	EA 8" Regulator - Clay Valve.....	1,594.28	
22 05 23 00-0014	EA 10" Regulator - Clay Valve.....	2,194.33	
22 05 23 00-0015	EA 12" Regulator - Clay Valve.....	2,688.70	
22 05 23 00-0016	EA 18" Regulator - Clay Valve.....	4,556.63	
22 05 23 00-0017	EA 24" Regulator - Clay Valve.....	7,339.29	

22 05 76 Facility Drainage Piping Cleanouts ^(22 05)

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover ^(22 05 76)

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover ^(22 05 76 00-0001)

22 05 76 00-0003	EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	288.68	43.25
	<i>For Vandal Proof, Add</i>	19.50	
	<i>For Galvanized Ferrule, Add</i>	45.00	
	<i>For Carpet Marker, Add</i>	16.00	
	<i>For Carpet Flange, Add</i>	58.50	
	<i>For Wide Flange, Add</i>	97.00	
	<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0004	EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	318.99	54.23
	<i>For Vandal Proof, Add</i>	19.50	
	<i>For Galvanized Ferrule, Add</i>	45.00	
	<i>For Carpet Marker, Add</i>	16.00	
	<i>For Carpet Flange, Add</i>	58.50	
	<i>For Wide Flange, Add</i>	97.00	
	<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0005	EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	396.32	65.52
	<i>For Vandal Proof, Add</i>	19.50	
	<i>For Galvanized Ferrule, Add</i>	45.00	
	<i>For Carpet Marker, Add</i>	16.00	
	<i>For Carpet Flange, Add</i>	58.50	
	<i>For Wide Flange, Add</i>	97.00	
	<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0006	EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	549.20	73.32
	<i>For Vandal Proof, Add</i>	19.50	
	<i>For Galvanized Ferrule, Add</i>	45.00	
	<i>For Carpet Marker, Add</i>	16.00	
	<i>For Carpet Flange, Add</i>	58.50	
	<i>For Wide Flange, Add</i>	97.00	
	<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0007	EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	665.80	79.43
	<i>For Vandal Proof, Add</i>	19.50	
	<i>For Galvanized Ferrule, Add</i>	45.00	
	<i>For Carpet Marker, Add</i>	16.00	
	<i>For Carpet Flange, Add</i>	58.50	
	<i>For Wide Flange, Add</i>	97.00	
	<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0008	EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	326.48	43.25
	<i>For Vandal Proof, Add</i>	19.50	
	<i>For Galvanized Ferrule, Add</i>	45.00	
	<i>For Carpet Marker, Add</i>	16.00	
	<i>For Carpet Flange, Add</i>	58.50	
	<i>For Wide Flange, Add</i>	97.00	
	<i>For Satin Bronze Top, Deduct</i>	-24.00	

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	357.34	54.15
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	434.72	65.52
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	587.64	73.32
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	704.18	79.43
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)		
Note: Cover and screw only.		
22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	49.90	13.57
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	55.32	16.26
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	68.39	18.29
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	106.04	20.33
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	152.11	22.36
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	135.10	13.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	187.45	14.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover.....	200.08	15.04
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover.....	224.14	17.08
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)		
Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel.....	135.10	13.57
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel.....	187.45	14.23
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel.....	200.08	15.04
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel.....	224.14	17.08
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated <small>(22 05 76 00-0014)</small>		
<i>Note: Cover and screw only.</i>		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	131.60	13.57
<i>For Vandal Proof Screws, Add</i>		
<i>For Nickel Bronze, Add</i>		
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	175.95	14.23
<i>For Vandal Proof Screws, Add</i>		
<i>For Nickel Bronze, Add</i>		
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	242.58	15.04
<i>For Vandal Proof Screws, Add</i>		
<i>For Nickel Bronze, Add</i>		
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	292.14	17.08
<i>For Vandal Proof Screws, Add</i>		
<i>For Nickel Bronze, Add</i>		
22 05 76 00-0036 Cast Iron Cleanout Tee <small>(22 05 76)</small>		
22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover <small>(22 05 76 00-0036)</small>		
<i>Note: Satin smooth secured cover.</i>		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	213.08	43.25
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	248.14	54.15
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	318.92	65.52
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	686.18	79.43
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover <small>(22 05 76 00-0036)</small>		
<i>Note: Satin smooth secured cover.</i>		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	339.68	43.25
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	374.74	54.15
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	437.12	65.52
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover.....	857.18	79.43
<i>For Vandal Proof Screws, Add</i>		
<i>For Galvanized Cast Iron Parts, Add</i>		
22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug <small>(22 05 76 00-0036)</small>		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug.....	174.53	35.36
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug.....	194.23	38.61
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug.....	258.22	50.81
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug.....	372.32	60.16
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug.....	604.27	71.13
22 05 76 00-0053 Removable Cleanout Plug <small>(22 05 76)</small>		
22 05 76 00-0054 Threaded Bronze Plugs <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	31.40	10.16
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug.....	36.03	11.05
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0057 EA 3" Threaded Bronze Plug.....	52.93	12.19
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug.....	60.01	14.23
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0059 EA 4" Threaded Bronze Plug.....	68.08	16.26
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0060 EA 5" Threaded Bronze Plug.....	89.65	18.29
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0061 EA 6" Threaded Bronze Plug.....	123.21	20.33
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0062 EA 8" Threaded Bronze Plug.....	192.21	22.36
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0063 EA 10" Threaded Bronze Plug.....	266.28	24.38
<i>For Plug Tapped For Center Screw, Add</i>		
22 05 76 00-0064 Threaded Brass Plugs <small>(22 05 76 00-0053)</small>		

22 Plumbing**22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0065	EA		1-1/2" Threaded Brass Plug, Raised Head	24.30	10.16
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0066	EA		2" Threaded Brass Plug, Raised Head	24.99	10.16
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0067	EA		2-1/2" Threaded Brass Plug, Raised Head	27.41	11.05
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0068	EA		3" Threaded Brass Plug, Raised Head	31.34	12.19
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0069	EA		3-1/2" Threaded Brass Plug, Raised Head	37.28	14.23
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0070	EA		4" Threaded Brass Plug, Raised Head	44.48	16.26
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0071	EA		4-1/2" Threaded Brass Plug, Raised Head	48.05	17.13
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0072	EA		5" Threaded Brass Plug, Raised Head	52.07	18.29
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0073	EA		6" Threaded Brass Plug, Raised Head	72.88	20.32
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0074	EA		1-1/2" Threaded Brass Plug, Countersunk Head	23.76	10.16
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0075	EA		2" Threaded Brass Plug, Countersunk Head	24.52	10.16
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0076	EA		2-1/2" Threaded Brass Plug, Countersunk Head	28.91	11.05
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0077	EA		3" Threaded Brass Plug, Countersunk Head	31.56	12.19
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0078	EA		3-1/2" Threaded Brass Plug, Countersunk Head	36.63	14.23
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0079	EA		4" Threaded Brass Plug, Countersunk Head	43.46	16.26
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0080	EA		5" Threaded Brass Plug, Countersunk Head	51.51	18.29
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	
22 05 76 00-0081	EA		6" Threaded Brass Plug, Countersunk Head	63.89	20.33
			<i>For Plug Tapped For Center Screw, Add</i>	9.50	

22 07 Plumbing Insulation ⁽²²⁾**22 07 19 Plumbing Piping Insulation** ^(22 07)**22 07 19 00-0001 Insulation Protective Jacketing** ^(22 07 19)

Note: Jacketing only and must be added to insulation prices.

22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands ^(22 07 19 00-0001)

22 07 19 00-0003	SF		0.006" Aluminum Insulation Jacket With Bands Fire Retardant	12.24	5.26
22 07 19 00-0004	SF		0.016" Aluminum Insulation Jacket With Bands Fire Retardant	12.57	5.26

22 07 19 00-0005 Stainless Steel Insulation Protective Jacketing With Bands ^(22 07 19 00-0001)

22 07 19 00-0006	SF		0.016" Stainless Steel Insulation Jacket With Bands Fire Retardant	19.17	7.39
22 07 19 00-0007	SF		0.010" Stainless Steel Insulation Jacket With Bands Fire Retardant	15.58	6.15

22 07 19 00-0008 Polyvinyl Chloride (PVC) Insulation Protective Jacketing ^(22 07 19 00-0001)**22 07 19 00-0009 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing** ^(22 07 19 00-0008)

22 07 19 00-0010	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.12	1.23
22 07 19 00-0011	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.44	1.27
22 07 19 00-0012	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.69	1.31
22 07 19 00-0013	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.01	1.40
22 07 19 00-0014	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.34	1.44
22 07 19 00-0015	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.64	1.48
22 07 19 00-0016	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.97	1.56
22 07 19 00-0017	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.37	1.64
22 07 19 00-0018	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.79	1.72
22 07 19 00-0019	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.27	1.80
22 07 19 00-0020	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.51	1.89
22 07 19 00-0021	LF		7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.83	1.93
22 07 19 00-0022	LF		7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.22	2.01
22 07 19 00-0023	LF		8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	2.03
22 07 19 00-0024	LF		8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.63	2.07
22 07 19 00-0025	LF		9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.87	2.11
22 07 19 00-0026	LF		10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.35	2.05
22 07 19 00-0027	LF		11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.91	2.30
22 07 19 00-0028	LF		12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.48	2.40

22 07 19 00-0029 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing ^(22 07 19 00-0008)

22 07 19 00-0030	LF		2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.61	1.27
22 07 19 00-0031	LF		2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	5.90	1.31
22 07 19 00-0032	LF		3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.27	1.38
22 07 19 00-0033	LF		3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.63	1.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0034 LF 4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	6.97	1.50
22 07 19 00-0035 LF 4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.34	1.56
22 07 19 00-0036 LF 5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	7.77	1.64
22 07 19 00-0037 LF 5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.23	1.72
22 07 19 00-0038 LF 6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.75	1.84
22 07 19 00-0039 LF 6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.03	1.86
22 07 19 00-0040 LF 7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.37	1.93
22 07 19 00-0041 LF 7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.82	2.01
22 07 19 00-0042 LF 8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.02	2.03
22 07 19 00-0043 LF 8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.30	2.07
22 07 19 00-0044 LF 9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.59	2.11
22 07 19 00-0045 LF 10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.13	2.19
22 07 19 00-0046 LF 11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.77	2.30
22 07 19 00-0047 LF 12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.41	2.40
22 07 19 00-0048 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0008)		
22 07 19 00-0049 EA 1-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	10.30	2.47
22 07 19 00-0050 EA 2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	10.74	2.53
22 07 19 00-0051 EA 2-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	11.20	2.61
22 07 19 00-0052 EA 3" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	11.80	2.73
22 07 19 00-0053 EA 3-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	12.63	2.67
22 07 19 00-0054 EA 4" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	13.34	2.98
22 07 19 00-0055 EA 4-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	14.20	3.12
22 07 19 00-0056 EA 5" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	15.15	3.28
22 07 19 00-0057 EA 5-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	16.49	3.44
22 07 19 00-0058 EA 6" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	19.17	3.65
22 07 19 00-0059 EA 6-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	19.57	3.78
22 07 19 00-0060 EA 7" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	21.47	3.86
22 07 19 00-0061 EA 7-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	22.08	3.96
22 07 19 00-0062 EA 8" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	23.42	4.05
22 07 19 00-0063 EA 8-1/2" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	24.60	4.11
22 07 19 00-0064 EA 9" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	27.98	4.27
22 07 19 00-0065 EA 10" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	29.90	4.43
22 07 19 00-0066 EA 11" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	32.36	4.62
22 07 19 00-0067 EA 12" Polyvinyl Chloride (PVC) Elbow Insulation Jacketing.....	37.25	4.82
22 07 19 00-0068 EA 1-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	14.70	3.42
22 07 19 00-0069 EA 2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	15.25	3.53
22 07 19 00-0070 EA 2-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	16.30	3.73
22 07 19 00-0071 EA 3" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	17.62	4.00
22 07 19 00-0072 EA 3-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	19.67	4.33
22 07 19 00-0073 EA 4" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	20.44	4.49
22 07 19 00-0074 EA 4-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	21.89	4.70
22 07 19 00-0075 EA 5" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	23.31	4.90
22 07 19 00-0076 EA 5-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	25.77	5.21
22 07 19 00-0077 EA 6" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	28.38	5.48
22 07 19 00-0078 EA 6-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	30.22	5.56
22 07 19 00-0079 EA 7" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	36.03	5.77
22 07 19 00-0080 EA 7-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	38.46	6.07
22 07 19 00-0081 EA 8" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	40.55	6.20
22 07 19 00-0082 EA 8-1/2" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	42.57	6.32
22 07 19 00-0083 EA 9" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	44.75	6.48
22 07 19 00-0084 EA 10" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	47.95	6.84
22 07 19 00-0085 EA 11" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	50.79	6.98
22 07 19 00-0086 EA 12" Polyvinyl Chloride (PVC) Tee Or Wye Insulation Jacketing.....	53.70	7.14
22 07 19 00-0087 Insulation Foam Rubber (22 07 19)		
22 07 19 00-0088 Covering 4x6 Sheet (22 07 19 00-0087)		
22 07 19 00-0089 SF 1" Thick Foam Rubber Sheet Insulation.....	15.06	5.83
22 07 19 00-0090 Fiberglass Pipe Insulation (22 07 19)		
Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0091 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0092 LF 1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.01	1.80
<i>For Single Layer Of Felt Finish, Add</i>		
	0.12	
<i>For Work In Restricted Working Space, Add</i>		
	1.46	
22 07 19 00-0093 LF 3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.13	1.80
<i>For Single Layer Of Felt Finish, Add</i>		
	0.13	
<i>For Work In Restricted Working Space, Add</i>		
	1.46	
22 07 19 00-0094 LF 1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.51	1.89
<i>For Single Layer Of Felt Finish, Add</i>		
	0.14	
<i>For Work In Restricted Working Space, Add</i>		
	1.55	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0095	LF		1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.75	1.97
			<i>For Single Layer Of Felt Finish, Add</i>	0.15	
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 07 19 00-0096	LF		1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	6.95	1.97
			<i>For Single Layer Of Felt Finish, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0097	LF		2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.35	2.05
			<i>For Single Layer Of Felt Finish, Add</i>	0.18	
			<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0098	LF		2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	7.69	2.13
			<i>For Single Layer Of Felt Finish, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0099	LF		3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.11	2.21
			<i>For Single Layer Of Felt Finish, Add</i>	0.23	
			<i>For Work In Restricted Working Space, Add</i>	1.79	
22 07 19 00-0100	LF		4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.20	2.38
			<i>For Single Layer Of Felt Finish, Add</i>	0.29	
			<i>For Work In Restricted Working Space, Add</i>	1.94	
22 07 19 00-0101	LF		6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.86	2.79
			<i>For Single Layer Of Felt Finish, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	2.26	
22 07 19 00-0102			1" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0103	LF		1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.09	2.47
			<i>For Single Layer Of Felt Finish, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0104	LF		3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.29	2.47
			<i>For Single Layer Of Felt Finish, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
22 07 19 00-0105	LF		1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.41	2.47
			<i>For Single Layer Of Felt Finish, Add</i>	0.16	
			<i>For Work In Restricted Working Space, Add</i>	2.05	
22 07 19 00-0106	LF		1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.71	2.55
			<i>For Single Layer Of Felt Finish, Add</i>	0.19	
			<i>For Work In Restricted Working Space, Add</i>	2.08	
22 07 19 00-0107	LF		1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.94	2.55
			<i>For Single Layer Of Felt Finish, Add</i>	0.20	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-0108	LF		2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.31	2.63
			<i>For Single Layer Of Felt Finish, Add</i>	0.22	
			<i>For Work In Restricted Working Space, Add</i>	2.17	
22 07 19 00-0109	LF		2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.81	2.79
			<i>For Single Layer Of Felt Finish, Add</i>	0.24	
			<i>For Work In Restricted Working Space, Add</i>	2.26	
22 07 19 00-0110	LF		3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.31	2.87
			<i>For Single Layer Of Felt Finish, Add</i>	0.27	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0111	LF		4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.65	3.04
			<i>For Single Layer Of Felt Finish, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0112	LF		6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.46	3.53
			<i>For Single Layer Of Felt Finish, Add</i>	0.43	
			<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0113	LF		8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.59	3.94
			<i>For Single Layer Of Felt Finish, Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0114	LF		10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.51	4.68
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
22 07 19 00-0115	LF		12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.39	5.34
			<i>For Single Layer Of Felt Finish, Add</i>	0.81	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
22 07 19 00-0116	LF		14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.13	5.83
			<i>For Single Layer Of Felt Finish, Add</i>	0.94	
			<i>For Work In Restricted Working Space, Add</i>	4.55	
22 07 19 00-0117			1-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0118	LF		1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.75	2.54
			<i>For Single Layer Of Felt Finish, Add</i>	0.29	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-0119	LF		3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.88	2.54
			<i>For Single Layer Of Felt Finish, Add</i>	0.30	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-0120	LF		1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.43	2.69
			<i>For Single Layer Of Felt Finish, Add</i>	0.31	
			<i>For Work In Restricted Working Space, Add</i>	2.23	
22 07 19 00-0121	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.80	2.74
			<i>For Single Layer Of Felt Finish, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.27	
22 07 19 00-0122	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.11	2.79
			<i>For Single Layer Of Felt Finish, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	2.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0123 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.85	2.94
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	2.45	
22 07 19 00-0124 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.35	2.99
<i>For Single Layer Of Felt Finish, Add</i>	0.43	
<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0125 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.76	3.09
<i>For Single Layer Of Felt Finish, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	2.57	
22 07 19 00-0126 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.06	3.35
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	2.78	
22 07 19 00-0127 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.30	3.91
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0128 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.28	4.12
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.43	
22 07 19 00-0129 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.31	4.93
<i>For Single Layer Of Felt Finish, Add</i>	0.91	
<i>For Work In Restricted Working Space, Add</i>	4.10	
22 07 19 00-0130 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.34	5.75
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	4.78	
22 07 19 00-0131 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.34	6.29
<i>For Single Layer Of Felt Finish, Add</i>	1.14	
<i>For Work In Restricted Working Space, Add</i>	5.23	
22 07 19 00-0132 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0133 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.99	2.79
<i>For Single Layer Of Felt Finish, Add</i>	0.45	
<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0134 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.13	2.79
<i>For Single Layer Of Felt Finish, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	2.32	
22 07 19 00-0135 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.53	2.87
<i>For Single Layer Of Felt Finish, Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	2.34	
22 07 19 00-0136 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.90	2.87
<i>For Single Layer Of Felt Finish, Add</i>	0.52	
<i>For Work In Restricted Working Space, Add</i>	2.37	
22 07 19 00-0137 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.28	2.95
<i>For Single Layer Of Felt Finish, Add</i>	0.55	
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-0138 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.79	3.04
<i>For Single Layer Of Felt Finish, Add</i>	0.58	
<i>For Work In Restricted Working Space, Add</i>	2.49	
22 07 19 00-0139 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.49	3.12
<i>For Single Layer Of Felt Finish, Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	2.58	
22 07 19 00-0140 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.24	3.28
<i>For Single Layer Of Felt Finish, Add</i>	0.67	
<i>For Work In Restricted Working Space, Add</i>	2.67	
22 07 19 00-0141 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.65	3.44
<i>For Single Layer Of Felt Finish, Add</i>	0.76	
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 07 19 00-0142 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.71	4.05
<i>For Single Layer Of Felt Finish, Add</i>	0.89	
<i>For Work In Restricted Working Space, Add</i>	3.38	
22 07 19 00-0143 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.32	4.28
<i>For Single Layer Of Felt Finish, Add</i>	1.10	
<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0144 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.71	5.11
<i>For Single Layer Of Felt Finish, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	4.27	
22 07 19 00-0145 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.74	6.13
<i>For Single Layer Of Felt Finish, Add</i>	1.44	
<i>For Work In Restricted Working Space, Add</i>	5.11	
22 07 19 00-0146 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.26	6.68
<i>For Single Layer Of Felt Finish, Add</i>	1.63	
<i>For Work In Restricted Working Space, Add</i>	7.13	
22 07 19 00-0147 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.41	7.84
<i>For Single Layer Of Felt Finish, Add</i>	1.85	
<i>For Work In Restricted Working Space, Add</i>	7.13	
22 07 19 00-0148 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.93	8.24
<i>For Single Layer Of Felt Finish, Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	7.48	
22 07 19 00-0149 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.05	9.40
<i>For Single Layer Of Felt Finish, Add</i>	2.47	
<i>For Work In Restricted Working Space, Add</i>	8.55	
22 07 19 00-0150 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.55	11.37
<i>For Single Layer Of Felt Finish, Add</i>	2.74	
<i>For Work In Restricted Working Space, Add</i>	10.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0151 2-1/2" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0090)</small>		
22 07 19 00-0152 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.84	3.28
For Single Layer Of Felt Finish, Add	0.62	
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0153 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.04	3.28
For Single Layer Of Felt Finish, Add	0.64	
For Work In Restricted Working Space, Add	2.67	
22 07 19 00-0154 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.63	3.28
For Single Layer Of Felt Finish, Add	0.69	
For Work In Restricted Working Space, Add	2.71	
22 07 19 00-0155 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.07	3.36
For Single Layer Of Felt Finish, Add	0.73	
For Work In Restricted Working Space, Add	2.73	
22 07 19 00-0156 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.52	3.36
For Single Layer Of Felt Finish, Add	0.77	
For Work In Restricted Working Space, Add	2.75	
22 07 19 00-0157 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.21	3.53
For Single Layer Of Felt Finish, Add	0.80	
For Work In Restricted Working Space, Add	2.87	
22 07 19 00-0158 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.17	3.61
For Single Layer Of Felt Finish, Add	0.87	
For Work In Restricted Working Space, Add	2.97	
22 07 19 00-0159 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.05	3.78
For Single Layer Of Felt Finish, Add	0.93	
For Work In Restricted Working Space, Add	3.07	
22 07 19 00-0160 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.04	3.94
For Single Layer Of Felt Finish, Add	1.08	
For Work In Restricted Working Space, Add	3.24	
22 07 19 00-0161 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.13	4.19
For Single Layer Of Felt Finish, Add	1.25	
For Work In Restricted Working Space, Add	3.68	
22 07 19 00-0162 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.13	5.00
For Single Layer Of Felt Finish, Add	1.94	
For Work In Restricted Working Space, Add	4.10	
22 07 19 00-0163 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.35	5.75
For Single Layer Of Felt Finish, Add	2.37	
For Work In Restricted Working Space, Add	4.73	
22 07 19 00-0164 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.65	7.14
For Single Layer Of Felt Finish, Add	2.52	
For Work In Restricted Working Space, Add	5.88	
22 07 19 00-0165 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.32	7.88
For Single Layer Of Felt Finish, Add	2.93	
For Work In Restricted Working Space, Add	6.42	
22 07 19 00-0166 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.12	10.02
For Single Layer Of Felt Finish, Add	3.23	
For Work In Restricted Working Space, Add	8.21	
22 07 19 00-0167 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.48	10.51
For Single Layer Of Felt Finish, Add	3.54	
For Work In Restricted Working Space, Add	8.62	
22 07 19 00-0168 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.92	11.98
For Single Layer Of Felt Finish, Add	4.00	
For Work In Restricted Working Space, Add	9.85	
22 07 19 00-0169 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.46	14.48
For Single Layer Of Felt Finish, Add	4.60	
For Work In Restricted Working Space, Add	11.90	
22 07 19 00-0170 3" Thick Fiberglass Pipe Insulation <small>(22 07 19 00-0090)</small>		
22 07 19 00-0171 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.37	3.62
For Single Layer Of Felt Finish, Add	0.68	
For Work In Restricted Working Space, Add	2.96	
22 07 19 00-0172 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.59	3.62
For Single Layer Of Felt Finish, Add	0.71	
For Work In Restricted Working Space, Add	2.96	
22 07 19 00-0173 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.19	3.66
For Single Layer Of Felt Finish, Add	0.76	
For Work In Restricted Working Space, Add	2.99	
22 07 19 00-0174 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.65	3.68
For Single Layer Of Felt Finish, Add	0.80	
For Work In Restricted Working Space, Add	3.01	
22 07 19 00-0175 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.19	3.72
For Single Layer Of Felt Finish, Add	0.85	
For Work In Restricted Working Space, Add	3.04	
22 07 19 00-0176 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.90	3.87
For Single Layer Of Felt Finish, Add	0.88	
For Work In Restricted Working Space, Add	3.15	
22 07 19 00-0177 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.95	4.00
For Single Layer Of Felt Finish, Add	0.95	
For Work In Restricted Working Space, Add	3.26	
22 07 19 00-0178 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.93	4.15
For Single Layer Of Felt Finish, Add	1.02	
For Work In Restricted Working Space, Add	3.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0179	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.13	4.38
			<i>For Single Layer Of Felt Finish, Add</i>	1.18	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0180	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.50	4.96
			<i>For Single Layer Of Felt Finish, Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	4.05	
22 07 19 00-0181	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.28	5.53
			<i>For Single Layer Of Felt Finish, Add</i>	2.13	
			<i>For Work In Restricted Working Space, Add</i>	4.51	
22 07 19 00-0182	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.13	6.38
			<i>For Single Layer Of Felt Finish, Add</i>	2.60	
			<i>For Work In Restricted Working Space, Add</i>	5.21	
22 07 19 00-0183	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	47.94	7.93
			<i>For Single Layer Of Felt Finish, Add</i>	2.77	
			<i>For Work In Restricted Working Space, Add</i>	6.47	
22 07 19 00-0184	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	54.19	8.67
			<i>For Single Layer Of Felt Finish, Add</i>	3.22	
			<i>For Work In Restricted Working Space, Add</i>	7.07	
22 07 19 00-0185	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	63.86	11.07
			<i>For Single Layer Of Felt Finish, Add</i>	3.55	
			<i>For Work In Restricted Working Space, Add</i>	9.03	
22 07 19 00-0186	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	68.65	11.63
			<i>For Single Layer Of Felt Finish, Add</i>	3.89	
			<i>For Work In Restricted Working Space, Add</i>	9.48	
22 07 19 00-0187	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	77.93	13.30
			<i>For Single Layer Of Felt Finish, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	10.84	
22 07 19 00-0188	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	91.70	16.06
			<i>For Single Layer Of Felt Finish, Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
22 07 19 00-0189			3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0190	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.65	3.94
			<i>For Single Layer Of Felt Finish, Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 07 19 00-0191	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.91	3.94
			<i>For Single Layer Of Felt Finish, Add</i>	0.75	
			<i>For Work In Restricted Working Space, Add</i>	3.24	
22 07 19 00-0192	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.77	3.94
			<i>For Single Layer Of Felt Finish, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0193	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.27	4.02
			<i>For Single Layer Of Felt Finish, Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	3.28	
22 07 19 00-0194	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.88	4.02
			<i>For Single Layer Of Felt Finish, Add</i>	0.93	
			<i>For Work In Restricted Working Space, Add</i>	3.32	
22 07 19 00-0195	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.62	4.19
			<i>For Single Layer Of Felt Finish, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.44	
22 07 19 00-0196	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.77	4.35
			<i>For Single Layer Of Felt Finish, Add</i>	1.04	
			<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0197	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.76	4.51
			<i>For Single Layer Of Felt Finish, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0198	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.27	4.76
			<i>For Single Layer Of Felt Finish, Add</i>	1.29	
			<i>For Work In Restricted Working Space, Add</i>	3.89	
22 07 19 00-0199	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.94	5.42
			<i>For Single Layer Of Felt Finish, Add</i>	1.49	
			<i>For Work In Restricted Working Space, Add</i>	4.42	
22 07 19 00-0200	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.53	5.99
			<i>For Single Layer Of Felt Finish, Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	4.92	
22 07 19 00-0201	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.02	6.90
			<i>For Single Layer Of Felt Finish, Add</i>	2.84	
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 07 19 00-0202	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	52.37	8.62
			<i>For Single Layer Of Felt Finish, Add</i>	3.03	
			<i>For Work In Restricted Working Space, Add</i>	7.06	
22 07 19 00-0203	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	59.20	9.44
			<i>For Single Layer Of Felt Finish, Add</i>	3.52	
			<i>For Work In Restricted Working Space, Add</i>	7.70	
22 07 19 00-0204	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.76	11.98
			<i>For Single Layer Of Felt Finish, Add</i>	3.88	
			<i>For Work In Restricted Working Space, Add</i>	9.85	
22 07 19 00-0205	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	74.98	12.64
			<i>For Single Layer Of Felt Finish, Add</i>	4.25	
			<i>For Work In Restricted Working Space, Add</i>	10.34	
22 07 19 00-0206	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	85.14	14.45
			<i>For Single Layer Of Felt Finish, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	11.83	

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0207 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	100.15	17.40
For Single Layer Of Felt Finish, Add	5.52	
For Work In Restricted Working Space, Add	14.28	
22 07 19 00-0208 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0090)		
22 07 19 00-0209 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.00	4.43
For Single Layer Of Felt Finish, Add	0.84	
For Work In Restricted Working Space, Add	3.60	
22 07 19 00-0210 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.29	4.43
For Single Layer Of Felt Finish, Add	0.87	
For Work In Restricted Working Space, Add	3.60	
22 07 19 00-0211 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.09	4.43
For Single Layer Of Felt Finish, Add	0.93	
For Work In Restricted Working Space, Add	3.66	
22 07 19 00-0212 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.74	4.51
For Single Layer Of Felt Finish, Add	0.99	
For Work In Restricted Working Space, Add	3.70	
22 07 19 00-0213 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.63	4.68
For Single Layer Of Felt Finish, Add	1.04	
For Work In Restricted Working Space, Add	3.82	
22 07 19 00-0214 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.45	4.84
For Single Layer Of Felt Finish, Add	1.08	
For Work In Restricted Working Space, Add	3.94	
22 07 19 00-0215 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.50	4.84
For Single Layer Of Felt Finish, Add	1.17	
For Work In Restricted Working Space, Add	4.00	
22 07 19 00-0216 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.71	5.08
For Single Layer Of Felt Finish, Add	1.25	
For Work In Restricted Working Space, Add	4.14	
22 07 19 00-0217 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.41	5.34
For Single Layer Of Felt Finish, Add	1.45	
For Work In Restricted Working Space, Add	4.37	
22 07 19 00-0218 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.56	6.07
For Single Layer Of Felt Finish, Add	1.68	
For Work In Restricted Working Space, Add	4.97	
22 07 19 00-0219 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	43.34	6.56
For Single Layer Of Felt Finish, Add	2.61	
For Work In Restricted Working Space, Add	5.54	
22 07 19 00-0220 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.78	7.79
For Single Layer Of Felt Finish, Add	3.20	
For Work In Restricted Working Space, Add	6.39	
22 07 19 00-0221 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	58.93	9.68
For Single Layer Of Felt Finish, Add	3.41	
For Work In Restricted Working Space, Add	7.94	
22 07 19 00-0222 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	66.62	10.59
For Single Layer Of Felt Finish, Add	3.96	
For Work In Restricted Working Space, Add	8.67	
22 07 19 00-0223 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	78.52	13.54
For Single Layer Of Felt Finish, Add	4.36	
For Work In Restricted Working Space, Add	11.09	
22 07 19 00-0224 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	84.32	14.19
For Single Layer Of Felt Finish, Add	4.79	
For Work In Restricted Working Space, Add	11.62	
22 07 19 00-0225 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	94.59	16.25
For Single Layer Of Felt Finish, Add	5.28	
For Work In Restricted Working Space, Add	13.30	
22 07 19 00-0226 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	112.69	19.61
For Single Layer Of Felt Finish, Add	6.21	
For Work In Restricted Working Space, Add	16.07	
22 07 19 00-0227 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	128.73	23.14
For Single Layer Of Felt Finish, Add	6.89	
For Work In Restricted Working Space, Add	18.94	
22 07 19 00-0228 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	145.22	27.25
For Single Layer Of Felt Finish, Add	7.44	
For Work In Restricted Working Space, Add	22.31	
22 07 19 00-0229 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	163.90	32.18
For Single Layer Of Felt Finish, Add	7.96	
For Work In Restricted Working Space, Add	26.42	
22 07 19 00-0230 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	198.14	40.90
For Single Layer Of Felt Finish, Add	9.05	
For Work In Restricted Working Space, Add	33.59	
22 07 19 00-0231 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	232.37	49.82
For Single Layer Of Felt Finish, Add	10.13	
For Work In Restricted Working Space, Add	40.77	
22 07 19 00-0232 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	249.97	54.75
For Single Layer Of Felt Finish, Add	10.52	
For Work In Restricted Working Space, Add	44.93	
22 07 19 00-0233 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	265.79	58.93
For Single Layer Of Felt Finish, Add	10.94	
For Work In Restricted Working Space, Add	48.47	
22 07 19 00-0234 Foamglas Pipe Insulation, Rigid, Closed Cell (22 07 19)		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0235				1" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
	22 07 19 00-0236	LF		1/2" Diameter Pipe, 1" Thick Foamglas Insulation 14.90		4.01
				<i>For Work In Restricted Working Space, Add</i> 3.64		
	22 07 19 00-0237	LF		3/4" Diameter Pipe, 1" Thick Foamglas Insulation 15.61		4.01
				<i>For Work In Restricted Working Space, Add</i> 3.64		
	22 07 19 00-0238	LF		1" Diameter Pipe, 1" Thick Foamglas Insulation 16.49		4.07
				<i>For Work In Restricted Working Space, Add</i> 3.69		
	22 07 19 00-0239	LF		1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation 16.91		4.12
				<i>For Work In Restricted Working Space, Add</i> 3.74		
	22 07 19 00-0240	LF		1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation 17.56		4.18
				<i>For Work In Restricted Working Space, Add</i> 3.80		
	22 07 19 00-0241	LF		2" Diameter Pipe, 1" Thick Foamglas Insulation 18.81		4.29
				<i>For Work In Restricted Working Space, Add</i> 3.91		
	22 07 19 00-0242	LF		2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation 20.35		4.47
				<i>For Work In Restricted Working Space, Add</i> 4.07		
	22 07 19 00-0243	LF		3" Diameter Pipe, 1" Thick Foamglas Insulation 22.08		4.59
				<i>For Work In Restricted Working Space, Add</i> 4.17		
	22 07 19 00-0244	LF		4" Diameter Pipe, 1" Thick Foamglas Insulation 25.73		4.93
				<i>For Work In Restricted Working Space, Add</i> 4.49		
	22 07 19 00-0245	LF		6" Diameter Pipe, 1" Thick Foamglas Insulation 33.17		5.57
				<i>For Work In Restricted Working Space, Add</i> 5.06		
22 07 19 00-0246				1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
	22 07 19 00-0247	LF		1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 20.79		5.25
				<i>For Work In Restricted Working Space, Add</i> 4.77		
	22 07 19 00-0248	LF		3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 21.23		5.25
				<i>For Work In Restricted Working Space, Add</i> 4.77		
	22 07 19 00-0249	LF		1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 21.68		5.25
				<i>For Work In Restricted Working Space, Add</i> 4.77		
	22 07 19 00-0250	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 22.53		5.42
				<i>For Work In Restricted Working Space, Add</i> 4.93		
	22 07 19 00-0251	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 23.36		5.61
				<i>For Work In Restricted Working Space, Add</i> 5.09		
	22 07 19 00-0252	LF		2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 25.35		5.80
				<i>For Work In Restricted Working Space, Add</i> 5.28		
	22 07 19 00-0253	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 28.61		6.02
				<i>For Work In Restricted Working Space, Add</i> 5.47		
	22 07 19 00-0254	LF		3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 31.69		6.25
				<i>For Work In Restricted Working Space, Add</i> 5.69		
	22 07 19 00-0255	LF		4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 35.33		6.50
				<i>For Work In Restricted Working Space, Add</i> 5.91		
	22 07 19 00-0256	LF		6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 40.14		6.89
				<i>For Work In Restricted Working Space, Add</i> 6.26		
	22 07 19 00-0257	LF		8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 43.79		7.31
				<i>For Work In Restricted Working Space, Add</i> 6.65		
	22 07 19 00-0258	LF		10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 53.72		8.60
				<i>For Work In Restricted Working Space, Add</i> 7.81		
	22 07 19 00-0259	LF		12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 61.54		9.99
				<i>For Work In Restricted Working Space, Add</i> 9.08		
	22 07 19 00-0260	LF		14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation 66.91		10.33
				<i>For Work In Restricted Working Space, Add</i> 9.39		
	22 07 19 00-0261	LF		16" Diameter Pipe, 2" Thick Foamglas Insulation 73.56		11.54
				<i>For Work In Restricted Working Space, Add</i> 10.49		
	22 07 19 00-0262	LF		18" Diameter Pipe, 2" Thick Foamglas Insulation 83.03		13.65
				<i>For Work In Restricted Working Space, Add</i> 12.41		
	22 07 19 00-0263	LF		20" Diameter Pipe, 2" Thick Foamglas Insulation 92.84		15.11
				<i>For Work In Restricted Working Space, Add</i> 13.74		
	22 07 19 00-0264	LF		24" Diameter Pipe, 2" Thick Fiberglass Insulation 117.21		16.74
				<i>For Work In Restricted Working Space, Add</i> 15.22		
22 07 19 00-0265				2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
	22 07 19 00-0266	LF		1/2" Diameter Pipe, 2" Thick Foamglas Insulation 20.29		4.59
				<i>For Work In Restricted Working Space, Add</i> 4.17		
	22 07 19 00-0267	LF		3/4" Diameter Pipe, 2" Thick Foamglas Insulation 20.98		4.59
				<i>For Work In Restricted Working Space, Add</i> 4.17		
	22 07 19 00-0268	LF		1" Diameter Pipe, 2" Thick Foamglas Insulation 21.82		4.64
				<i>For Work In Restricted Working Space, Add</i> 4.22		
	22 07 19 00-0269	LF		1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation 23.09		4.70
				<i>For Work In Restricted Working Space, Add</i> 4.27		
	22 07 19 00-0270	LF		1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation 24.37		4.76
				<i>For Work In Restricted Working Space, Add</i> 4.33		
	22 07 19 00-0271	LF		2" Diameter Pipe, 2" Thick Foamglas Insulation 27.48		4.93
				<i>For Work In Restricted Working Space, Add</i> 4.49		
	22 07 19 00-0272	LF		2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation 28.87		5.11
				<i>For Work In Restricted Working Space, Add</i> 4.64		
	22 07 19 00-0273	LF		3" Diameter Pipe, 2" Thick Foamglas Insulation 31.10		5.28
				<i>For Work In Restricted Working Space, Add</i> 4.80		

22 Plumbing**22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0274 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation	35.25	5.58
<i>For Work In Restricted Working Space, Add</i>	5.06	
22 07 19 00-0275 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation	42.37	6.33
<i>For Work In Restricted Working Space, Add</i>	5.75	
22 07 19 00-0276 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation	47.16	7.06
<i>For Work In Restricted Working Space, Add</i>	6.41	
22 07 19 00-0277 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation	57.67	8.13
<i>For Work In Restricted Working Space, Add</i>	7.40	
22 07 19 00-0278 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation	71.42	10.11
<i>For Work In Restricted Working Space, Add</i>	9.19	
22 07 19 00-0279 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation	76.16	11.04
<i>For Work In Restricted Working Space, Add</i>	10.03	
22 07 19 00-0280 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation	89.37	14.10
<i>For Work In Restricted Working Space, Add</i>	12.83	
22 07 19 00-0281 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation	97.79	14.82
<i>For Work In Restricted Working Space, Add</i>	13.46	
22 07 19 00-0282 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation	107.83	16.93
<i>For Work In Restricted Working Space, Add</i>	15.39	
22 07 19 00-0283 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation	135.76	20.46
<i>For Work In Restricted Working Space, Add</i>	18.60	
22 07 19 00-0284 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0285 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.02	4.97
<i>For Work In Restricted Working Space, Add</i>	4.52	
22 07 19 00-0286 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.19	4.96
<i>For Work In Restricted Working Space, Add</i>	4.52	
22 07 19 00-0287 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.62	5.04
<i>For Work In Restricted Working Space, Add</i>	4.59	
22 07 19 00-0288 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	28.91	5.08
<i>For Work In Restricted Working Space, Add</i>	4.62	
22 07 19 00-0289 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	30.22	5.13
<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0290 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	32.50	5.34
<i>For Work In Restricted Working Space, Add</i>	4.85	
22 07 19 00-0291 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	34.68	5.53
<i>For Work In Restricted Working Space, Add</i>	5.02	
22 07 19 00-0292 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.85	5.71
<i>For Work In Restricted Working Space, Add</i>	5.20	
22 07 19 00-0293 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.66	6.02
<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0294 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	51.25	6.86
<i>For Work In Restricted Working Space, Add</i>	6.23	
22 07 19 00-0295 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	57.10	7.64
<i>For Work In Restricted Working Space, Add</i>	6.95	
22 07 19 00-0296 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	65.09	8.81
<i>For Work In Restricted Working Space, Add</i>	8.01	
22 07 19 00-0297 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	81.06	10.95
<i>For Work In Restricted Working Space, Add</i>	9.95	
22 07 19 00-0298 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	84.17	11.95
<i>For Work In Restricted Working Space, Add</i>	10.87	
22 07 19 00-0299 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	98.46	15.27
<i>For Work In Restricted Working Space, Add</i>	13.88	
22 07 19 00-0300 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	107.44	16.04
<i>For Work In Restricted Working Space, Add</i>	14.58	
22 07 19 00-0301 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	123.61	18.32
<i>For Work In Restricted Working Space, Add</i>	16.67	
22 07 19 00-0302 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	155.35	22.15
<i>For Work In Restricted Working Space, Add</i>	20.13	
22 07 19 00-0303 3" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0304 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation	30.72	5.29
<i>For Work In Restricted Working Space, Add</i>	4.81	
22 07 19 00-0305 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation	31.42	5.29
<i>For Work In Restricted Working Space, Add</i>	4.81	
22 07 19 00-0306 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation	32.39	5.38
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 07 19 00-0307 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	33.21	5.41
<i>For Work In Restricted Working Space, Add</i>	4.92	
22 07 19 00-0308 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	34.06	5.46
<i>For Work In Restricted Working Space, Add</i>	4.96	
22 07 19 00-0309 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation	36.74	5.68
<i>For Work In Restricted Working Space, Add</i>	5.17	
22 07 19 00-0310 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	39.30	5.88
<i>For Work In Restricted Working Space, Add</i>	5.34	
22 07 19 00-0311 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation	45.05	6.08
<i>For Work In Restricted Working Space, Add</i>	5.53	
22 07 19 00-0312 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation	51.79	6.41
<i>For Work In Restricted Working Space, Add</i>	5.83	
22 07 19 00-0313 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation	56.53	7.29
<i>For Work In Restricted Working Space, Add</i>	6.63	
22 07 19 00-0314 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation	63.91	8.12
<i>For Work In Restricted Working Space, Add</i>	7.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0315 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	76.48 8.52	9.37
22 07 19 00-0316 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	88.31 10.59	11.65
22 07 19 00-0317 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	94.38 11.56	12.71
22 07 19 00-0318 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	111.92 14.77	16.25
22 07 19 00-0319 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	120.05 15.51	17.06
22 07 19 00-0320 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	141.03 17.73	19.50
22 07 19 00-0321 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	172.61 21.42	23.57
22 07 19 00-0322 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0323 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.96 5.83	6.41
22 07 19 00-0324 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	37.85 5.83	6.41
22 07 19 00-0325 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	38.87 5.87	6.45
22 07 19 00-0326 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	39.87 5.90	6.49
22 07 19 00-0327 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	41.01 5.98	6.57
22 07 19 00-0328 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	45.44 6.18	6.81
22 07 19 00-0329 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.89 6.40	7.04
22 07 19 00-0330 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	52.82 6.63	7.29
22 07 19 00-0331 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	56.64 7.01	7.71
22 07 19 00-0332 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	65.28 7.95	8.75
22 07 19 00-0333 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	74.38 8.86	9.75
22 07 19 00-0334 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	89.27 10.22	11.25
22 07 19 00-0335 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	104.97 12.71	13.97
22 07 19 00-0336 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	109.00 13.87	15.26
22 07 19 00-0337 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	129.77 17.73	19.50
22 07 19 00-0338 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	143.34 18.61	20.48
22 07 19 00-0339 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	163.12 21.29	23.42
22 07 19 00-0340 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	200.66 25.70	28.28
22 07 19 00-0341 4" Thick Foamglas Pipe Insulation (22 07 19 00-0234)		
22 07 19 00-0342 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	44.96 7.16	7.88
22 07 19 00-0343 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	46.10 7.16	7.88
22 07 19 00-0344 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	47.65 7.28	8.01
22 07 19 00-0345 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	49.07 7.37	8.10
22 07 19 00-0346 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	51.00 7.60	8.37
22 07 19 00-0347 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	55.40 7.84	8.62
22 07 19 00-0348 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	59.41 7.96	8.76
22 07 19 00-0349 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	62.45 8.25	9.08
22 07 19 00-0350 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	68.11 9.20	10.12
22 07 19 00-0351 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	79.42 9.88	10.86
22 07 19 00-0352 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	90.04 10.71	11.79
22 07 19 00-0353 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	102.74 12.73	14.00
22 07 19 00-0354 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	119.25 15.81	17.40
22 07 19 00-0355 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	129.59 17.27	19.00

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0356 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation	152.50	24.28
<i>For Work In Restricted Working Space, Add</i>	22.08	
22 07 19 00-0357 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation	170.87	25.45
<i>For Work In Restricted Working Space, Add</i>	23.14	
22 07 19 00-0358 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation	191.08	29.12
<i>For Work In Restricted Working Space, Add</i>	26.48	
22 07 19 00-0359 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation	243.70	35.20
<i>For Work In Restricted Working Space, Add</i>	31.99	
22 07 19 00-0360 Flexible Polyethylene Tubing Closed Cell Foam Insulation (22 07 19)		
Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). No additional linear feet for fittings required.		
22 07 19 00-0361 3/8" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0362 LF 1/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.07	2.46
<i>For Work In Restricted Working Space, Add</i>	1.47	
22 07 19 00-0363 LF 1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.09	2.46
<i>For Work In Restricted Working Space, Add</i>	1.47	
22 07 19 00-0364 LF 3/8" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.10	2.46
<i>For Work In Restricted Working Space, Add</i>	1.48	
22 07 19 00-0365 LF 1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.28	2.55
<i>For Work In Restricted Working Space, Add</i>	1.52	
22 07 19 00-0366 LF 3/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.50	2.63
<i>For Work In Restricted Working Space, Add</i>	1.58	
22 07 19 00-0367 LF 1" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.65	2.68
<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0368 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.82	2.72
<i>For Work In Restricted Working Space, Add</i>	1.63	
22 07 19 00-0369 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.88	2.72
<i>For Work In Restricted Working Space, Add</i>	1.64	
22 07 19 00-0370 LF 2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.04	2.72
<i>For Work In Restricted Working Space, Add</i>	1.65	
22 07 19 00-0371 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.40	2.80
<i>For Work In Restricted Working Space, Add</i>	1.70	
22 07 19 00-0372 LF 3" Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.57	2.85
<i>For Work In Restricted Working Space, Add</i>	1.72	
22 07 19 00-0373 1/2" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0374 LF 1/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.59	2.68
<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0375 LF 1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.61	2.68
<i>For Work In Restricted Working Space, Add</i>	1.61	
22 07 19 00-0376 LF 3/8" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.66	2.68
<i>For Work In Restricted Working Space, Add</i>	1.62	
22 07 19 00-0377 LF 1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.74	2.72
<i>For Work In Restricted Working Space, Add</i>	1.63	
22 07 19 00-0378 LF 3/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.82	2.72
<i>For Work In Restricted Working Space, Add</i>	1.64	
22 07 19 00-0379 LF 1" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.04	2.80
<i>For Work In Restricted Working Space, Add</i>	1.68	
22 07 19 00-0380 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.78	2.85
<i>For Work In Restricted Working Space, Add</i>	1.58	
22 07 19 00-0381 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.41	2.89
<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0382 LF 2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.64	2.93
<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0383 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.05	3.02
<i>For Work In Restricted Working Space, Add</i>	1.81	
22 07 19 00-0384 LF 3" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.44	3.06
<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0385 LF 3-1/2" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.80	3.10
<i>For Work In Restricted Working Space, Add</i>	1.86	
22 07 19 00-0386 LF 4" Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.04	3.14
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0387 3/4" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0388 LF 1/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.13	2.89
<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0389 LF 1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.16	2.89
<i>For Work In Restricted Working Space, Add</i>	1.73	
22 07 19 00-0390 LF 3/8" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.24	2.93
<i>For Work In Restricted Working Space, Add</i>	1.76	
22 07 19 00-0391 LF 1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.54	3.02
<i>For Work In Restricted Working Space, Add</i>	1.81	
22 07 19 00-0392 LF 3/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.69	3.06
<i>For Work In Restricted Working Space, Add</i>	1.84	
22 07 19 00-0393 LF 1" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.04	3.14
<i>For Work In Restricted Working Space, Add</i>	1.89	
22 07 19 00-0394 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.37	3.19
<i>For Work In Restricted Working Space, Add</i>	1.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0395 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.52 1.93	3.19
22 07 19 00-0396 LF 2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.06 1.94	3.23
22 07 19 00-0397 LF 2-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.88 1.99	3.31
22 07 19 00-0398 LF 3" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.96 2.02	3.36
22 07 19 00-0399 LF 3-1/2" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.53 2.05	3.40
22 07 19 00-0400 LF 4" Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.78 2.07	3.44
22 07 19 00-0401 1" Wall Flexible Polyethylene Tubing Foam Insulation (22 07 19 00-0360)		
22 07 19 00-0402 LF 1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.91 1.91	3.19
22 07 19 00-0403 LF 3/8" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.05 1.94	3.23
22 07 19 00-0404 LF 1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.46 1.99	3.31
22 07 19 00-0405 LF 3/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.60 2.02	3.36
22 07 19 00-0406 LF 1" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.17 2.07	3.44
22 07 19 00-0407 LF 1-1/4" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.48 2.12	3.53
22 07 19 00-0408 LF 1-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.62 2.15	3.53
22 07 19 00-0409 LF 2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.13 2.17	3.62
22 07 19 00-0410 LF 2-1/2" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.54 2.22	3.70
22 07 19 00-0411 LF 3" Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.87 2.25	3.76
22 07 19 00-0412 Flexible Elastomeric Tubing Closed Cell Foam Insulation (22 07 19) Note: No additional LF for fittings required.		
22 07 19 00-0413 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0414 LF 1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.17 1.47	2.46
22 07 19 00-0415 LF 3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.22 1.48	2.46
22 07 19 00-0416 LF 1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.40 1.52	2.55
22 07 19 00-0417 LF 5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.48 1.55	2.59
22 07 19 00-0418 LF 3/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.65 1.58	2.63
22 07 19 00-0419 LF 7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.69 1.59	2.63
22 07 19 00-0420 LF 1" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.77 1.61	2.68
22 07 19 00-0421 LF 1-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.81 1.62	2.68
22 07 19 00-0422 LF 1-1/4" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.96 1.63	2.72
22 07 19 00-0423 LF 1-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.04 1.64	2.72
22 07 19 00-0424 LF 2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.25 1.65	2.72
22 07 19 00-0425 LF 2-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.37 1.66	2.76
22 07 19 00-0426 LF 2-3/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.55 1.68	2.80
22 07 19 00-0427 LF 2-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.68 1.70	2.80
22 07 19 00-0428 LF 2-7/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.78 1.71	2.85
22 07 19 00-0429 LF 3-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.91 1.72	2.85
22 07 19 00-0430 LF 3-5/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.19 1.73	2.89
22 07 19 00-0431 LF 4-1/8" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.53 1.76	2.93
22 07 19 00-0432 LF 4-1/2" Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.89 1.77	2.95
22 07 19 00-0433 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0434 LF 1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.74 1.61	2.68

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0435	LF		3/8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.82 1.62	2.68
22 07 19 00-0436	LF		1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.92 1.63	2.72
22 07 19 00-0437	LF		3/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.02 1.64	2.72
22 07 19 00-0438	LF		1" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.20 1.68	2.80
22 07 19 00-0439	LF		1-1/4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.38 1.71	2.85
22 07 19 00-0440	LF		1-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.62 1.73	2.89
22 07 19 00-0441	LF		2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.92 1.76	2.93
22 07 19 00-0442	LF		2-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.38 1.81	3.02
22 07 19 00-0443	LF		3" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.60 1.84	3.06
22 07 19 00-0444	LF		3-1/2" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.25 1.86	3.10
22 07 19 00-0445	LF		4" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.49 1.89	3.14
22 07 19 00-0446	LF		5" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.37 1.91	3.19
22 07 19 00-0447	LF		6" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.99 1.97	3.27
22 07 19 00-0448	LF		8" Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.61 2.02	3.36
22 07 19 00-0449			3/4" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0450	LF		1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.39 1.73	2.89
22 07 19 00-0451	LF		3/8" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.52 1.76	2.93
22 07 19 00-0452	LF		1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.82 1.81	3.02
22 07 19 00-0453	LF		3/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.09 1.84	3.06
22 07 19 00-0454	LF		1" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.39 1.89	3.14
22 07 19 00-0455	LF		1-1/4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.86 1.91	3.19
22 07 19 00-0456	LF		1-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.14 1.94	3.23
22 07 19 00-0457	LF		2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.44 1.94	3.23
22 07 19 00-0458	LF		2-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.28 1.99	3.31
22 07 19 00-0459	LF		3" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.72 2.02	3.36
22 07 19 00-0460	LF		3-1/2" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.36 2.05	3.40
22 07 19 00-0461	LF		4" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.67 2.07	3.44
22 07 19 00-0462	LF		5" Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.02 1.04	4.11
22 07 19 00-0463	LF		6" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.55 2.12	3.53
22 07 19 00-0464	LF		8" Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.85 2.17	3.62
22 07 19 00-0465			1" Wall Flexible Elastomeric Tubing Foam Insulation (22 07 19 00-0412)		
22 07 19 00-0466	LF		3/8" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.91 1.94	3.23
22 07 19 00-0467	LF		1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.18 1.99	3.31
22 07 19 00-0468	LF		3/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.59 2.02	3.36
22 07 19 00-0469	LF		1" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.08 2.07	3.44
22 07 19 00-0470	LF		1-1/4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.53 2.12	3.53
22 07 19 00-0471	LF		1-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.01 2.15	3.53
22 07 19 00-0472	LF		2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.06 2.17	3.62
22 07 19 00-0473	LF		2-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.39 2.22	3.70
22 07 19 00-0474	LF		3" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.03 2.25	3.76
22 07 19 00-0475	LF		3-1/2" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.30 2.27	3.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0476 LF 4" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.02 2.33	3.89
22 07 19 00-0477 LF 5" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.43 2.38	3.97
22 07 19 00-0478 LF 6" Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.87 2.43	4.06
22 07 19 00-0479 Flexible Polyolefin Tubing Closed Cell Foam Insulation <small>(22 07 19)</small> Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. No additional LF for fittings required.		
22 07 19 00-0480 3/8" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0479)</small>		
22 07 19 00-0481 LF 1/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.19 1.47	2.46
22 07 19 00-0482 LF 1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.21 1.47	2.46
22 07 19 00-0483 LF 3/8" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.26 1.48	2.46
22 07 19 00-0484 LF 1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.44 1.52	2.55
22 07 19 00-0485 LF 3/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.69 1.58	2.63
22 07 19 00-0486 LF 1" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.82 1.61	2.68
22 07 19 00-0487 LF 1-1/4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.05 1.63	2.72
22 07 19 00-0488 LF 1-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.20 1.64	2.72
22 07 19 00-0489 LF 2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.33 1.65	2.80
22 07 19 00-0490 LF 2-1/2" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.86 1.70	2.80
22 07 19 00-0491 LF 3" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.32 1.72	2.85
22 07 19 00-0492 LF 4" Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.49 1.76	2.93
22 07 19 00-0493 1/2" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0479)</small>		
22 07 19 00-0494 LF 1/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.78 1.61	2.68
22 07 19 00-0495 LF 1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.81 1.61	2.68
22 07 19 00-0496 LF 3/8" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.86 1.62	2.68
22 07 19 00-0497 LF 1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	5.97 1.63	2.72
22 07 19 00-0498 LF 3/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.10 1.64	2.72
22 07 19 00-0499 LF 1" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.28 1.68	2.80
22 07 19 00-0500 LF 1-1/4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.53 1.71	2.85
22 07 19 00-0501 LF 1-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.79 1.73	2.89
22 07 19 00-0502 LF 2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.05 1.76	2.93
22 07 19 00-0503 LF 2-1/2" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.62 1.81	3.02
22 07 19 00-0504 LF 3" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.11 1.84	3.06
22 07 19 00-0505 LF 4" Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.05 1.89	3.14
22 07 19 00-0506 3/4" Wall Flexible Polyolefin Tubing Foam Insulation <small>(22 07 19 00-0479)</small>		
22 07 19 00-0507 LF 1/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.43 1.73	2.89
22 07 19 00-0508 LF 1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.47 1.73	2.89
22 07 19 00-0509 LF 3/8" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.65 1.76	2.93
22 07 19 00-0510 LF 1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	6.91 1.81	3.02
22 07 19 00-0511 LF 3/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.25 1.84	3.06
22 07 19 00-0512 LF 1" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.60 1.89	3.14
22 07 19 00-0513 LF 1-1/4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.13 1.91	3.19
22 07 19 00-0514 LF 1-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.49 1.93	3.19

22 Plumbing
22 07 Plumbing Insulation
22 07 19 Plumbing Piping Insulation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0515	LF		2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.88 1.94	3.23
22 07 19 00-0516	LF		2-1/2" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.68 1.99	3.31
22 07 19 00-0517	LF		3" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.38 2.02	3.36
22 07 19 00-0518	LF		4" Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.73 2.07	3.44
22 07 19 00-0519 1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0479)					
22 07 19 00-0520	LF		1/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.54 1.91	3.19
22 07 19 00-0521	LF		1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.57 1.91	3.19
22 07 19 00-0522	LF		3/8" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.69 1.94	3.23
22 07 19 00-0523	LF		1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.95 1.99	3.31
22 07 19 00-0524	LF		3/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.43 2.02	3.36
22 07 19 00-0525	LF		1" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.87 2.07	3.44
22 07 19 00-0526	LF		1-1/4" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.31 2.12	3.53
22 07 19 00-0527	LF		1-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.71 2.15	3.53
22 07 19 00-0528	LF		2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.59 2.17	3.62
22 07 19 00-0529	LF		2-1/2" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.79 2.22	3.70
22 07 19 00-0530	LF		3" Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.63 2.25	3.76

22 10 Plumbing Piping (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution (22 10)

22 11 16 Domestic Water Piping (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF		1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.12 -0.33 3.08 2.98	2.99
22 11 16 00-0003	LF		3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.03 -0.38 3.36 3.15	3.21
22 11 16 00-0004	LF		1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.93 -0.41 3.60 3.37	3.52
22 11 16 00-0005	LF		1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	15.41 -0.52 4.13 3.58	3.67
22 11 16 00-0006	LF		1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.23 -0.57 4.38 3.73	4.34



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0007	LF 2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>		19.03 -0.73 5.27 4.25	5.24
22 11 16 00-0008	LF 2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>		24.57 -1.20 7.31 4.98	6.21
22 11 16 00-0009	LF 3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>		30.50 -1.56 9.22 6.03	8.31
22 11 16 00-0010	LF 4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>		37.60 -2.24 11.99 6.81	9.72
22 11 16 00-0011	LF 5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>		47.61 -3.03 15.58 8.23	12.42
22 11 16 00-0012	LF 6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>		57.78 -3.99 19.54 9.35	14.69
22 11 16 00-0013	Galvanized Steel Pipe And Threaded Fittings ^(22 11 16) Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.			
22 11 16 00-0014	Threaded And Coupled, Galvanized Steel Piping ^(22 11 16 00-0013) Note: ASTM A-53. Includes coupling.			
22 11 16 00-0015	LF 1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		5.96 -0.21 1.14 1.36	2.99
22 11 16 00-0016	LF 3/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		6.57 -0.26 1.32 1.45	3.21
22 11 16 00-0017	LF 1" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		7.13 -0.28 1.43 1.57	3.52
22 11 16 00-0018	LF 1-1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		8.15 -0.39 1.81 1.66	3.67
22 11 16 00-0019	LF 1-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		9.55 -0.46 2.11 1.95	4.34
22 11 16 00-0020	LF 2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		11.96 -0.61 2.75 2.36	5.24
22 11 16 00-0021	LF 2-1/2" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		15.85 -0.97 4.05 2.81	6.21
22 11 16 00-0022	LF 3" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		20.95 -1.27 5.32 3.74	8.31
22 11 16 00-0023	LF 4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		26.68 -1.81 7.25 4.39	9.72
22 11 16 00-0024	LF 5" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		34.95 -2.45 9.71 5.58	12.42
22 11 16 00-0025	LF 6" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe <i>For ASTM 120, Deduct</i> <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>		43.22 -3.18 12.38 6.60	14.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0026			Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0027	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	21.92	13.32
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For 225 LB Rating, Add</i>	4.04	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For 300 LB Rating, Add</i>	7.90	
22 11 16 00-0028	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	24.68	14.89
			<i>For ASTM 120, Deduct</i>	-0.35	
			<i>For 225 LB Rating, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	6.70	
			<i>For 300 LB Rating, Add</i>	9.30	
22 11 16 00-0029	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	29.44	16.61
			<i>For ASTM 120, Deduct</i>	-0.67	
			<i>For 225 LB Rating, Add</i>	9.20	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
			<i>For 300 LB Rating, Add</i>	16.76	
22 11 16 00-0030	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	35.26	18.86
			<i>For ASTM 120, Deduct</i>	-1.05	
			<i>For 225 LB Rating, Add</i>	14.39	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
			<i>For 300 LB Rating, Add</i>	25.56	
22 11 16 00-0031	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	41.08	21.25
			<i>For ASTM 120, Deduct</i>	-1.38	
			<i>For 225 LB Rating, Add</i>	18.92	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
			<i>For 300 LB Rating, Add</i>	33.29	
22 11 16 00-0032	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	53.75	27.02
			<i>For ASTM 120, Deduct</i>	-2.00	
			<i>For 225 LB Rating, Add</i>	27.27	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	47.65	
22 11 16 00-0033	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	98.35	39.96
			<i>For ASTM 120, Deduct</i>	-5.77	
			<i>For 225 LB Rating, Add</i>	78.88	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For 300 LB Rating, Add</i>	134.42	
22 11 16 00-0034	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	143.42	52.54
			<i>For ASTM 120, Deduct</i>	-9.70	
			<i>For 225 LB Rating, Add</i>	132.51	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For 300 LB Rating, Add</i>	224.50	
22 11 16 00-0035	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	197.18	56.85
			<i>For ASTM 120, Deduct</i>	-16.79	
			<i>For 225 LB Rating, Add</i>	229.44	
			<i>For Work In Restricted Working Space, Add</i>	25.58	
			<i>For 300 LB Rating, Add</i>	385.64	
22 11 16 00-0036	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	459.38	59.34
			<i>For ASTM 120, Deduct</i>	-55.56	
			<i>For 225 LB Rating, Add</i>	759.34	
			<i>For Work In Restricted Working Space, Add</i>	26.69	
			<i>For 300 LB Rating, Add</i>	1,264.73	
22 11 16 00-0037	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow.....	460.52	62.04
			<i>For ASTM 120, Deduct</i>	-55.13	
			<i>For 225 LB Rating, Add</i>	753.40	
			<i>For Work In Restricted Working Space, Add</i>	27.90	
			<i>For 300 LB Rating, Add</i>	1,255.11	
22 11 16 00-0038			Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)		
22 11 16 00-0039	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	20.06	10.63
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0040	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.52	13.47
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	6.07	
22 11 16 00-0041	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	25.52	13.47
			<i>For ASTM 120, Deduct</i>	-0.79	
			<i>For Work In Restricted Working Space, Add</i>	6.07	
22 11 16 00-0042	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.10	18.86
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0043	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.27	18.86
			<i>For ASTM 120, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0044	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	38.27	18.86
			<i>For ASTM 120, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	8.47	
22 11 16 00-0045	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.72	21.25
			<i>For ASTM 120, Deduct</i>	-1.93	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 11 16 00-0046	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.72	21.25
			<i>For ASTM 120, Deduct</i>	-1.93	
			<i>For Work In Restricted Working Space, Add</i>	9.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0047 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	44.72	21.25
For ASTM 120, Deduct	-1.93	
For Work In Restricted Working Space, Add	9.56	
22 11 16 00-0048 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	56.02	27.02
For ASTM 120, Deduct	-2.34	
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0049 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.24	27.02
For ASTM 120, Deduct	-2.67	
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0050 EA 2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.24	27.02
For ASTM 120, Deduct	-2.67	
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0051 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	58.24	27.02
For ASTM 120, Deduct	-2.67	
For Work In Restricted Working Space, Add	12.14	
22 11 16 00-0052 EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	110.66	39.96
For ASTM 120, Deduct	-7.62	
For Work In Restricted Working Space, Add	17.96	
22 11 16 00-0053 EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	115.71	39.96
For ASTM 120, Deduct	-8.38	
For Work In Restricted Working Space, Add	17.96	
22 11 16 00-0054 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	158.87	52.54
For ASTM 120, Deduct	-12.01	
For Work In Restricted Working Space, Add	23.63	
22 11 16 00-0055 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	158.87	52.54
For ASTM 120, Deduct	-12.01	
For Work In Restricted Working Space, Add	23.63	
22 11 16 00-0056 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	240.52	56.85
For ASTM 120, Deduct	-23.29	
For Work In Restricted Working Space, Add	25.58	
22 11 16 00-0057 Galvanized Malleable Iron 45 Degree Elbow <small>(22 11 16 00-0013)</small>		
22 11 16 00-0058 EA 1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	23.03	13.32
For ASTM 120, Deduct	-0.46	
For 225 LB Rating, Add	6.31	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	11.67	
22 11 16 00-0059 EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	26.71	14.89
For ASTM 120, Deduct	-0.66	
For 225 LB Rating, Add	8.96	
For Work In Restricted Working Space, Add	6.70	
For 300 LB Rating, Add	16.20	
22 11 16 00-0060 EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	29.94	16.61
For ASTM 120, Deduct	-0.75	
For 225 LB Rating, Add	10.23	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	18.46	
22 11 16 00-0061 EA 1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	37.41	18.86
For ASTM 120, Deduct	-1.38	
For 225 LB Rating, Add	18.80	
For Work In Restricted Working Space, Add	8.47	
For 300 LB Rating, Add	32.87	
22 11 16 00-0062 EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	42.81	21.25
For ASTM 120, Deduct	-1.64	
For 225 LB Rating, Add	22.47	
For Work In Restricted Working Space, Add	9.56	
For 300 LB Rating, Add	39.18	
22 11 16 00-0063 EA 2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	54.61	27.02
For ASTM 120, Deduct	-2.12	
For 225 LB Rating, Add	29.03	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	50.57	
22 11 16 00-0064 EA 2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	112.38	39.96
For ASTM 120, Deduct	-7.88	
For 225 LB Rating, Add	107.65	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	182.13	
22 11 16 00-0065 EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	159.55	52.54
For ASTM 120, Deduct	-12.12	
For 225 LB Rating, Add	165.58	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	279.34	
22 11 16 00-0066 EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	213.24	56.85
For ASTM 120, Deduct	-19.20	
For 225 LB Rating, Add	262.36	
For Work In Restricted Working Space, Add	25.58	
For 300 LB Rating, Add	440.25	
22 11 16 00-0067 EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	508.26	59.34
For ASTM 120, Deduct	-62.89	
For 225 LB Rating, Add	859.54	
For Work In Restricted Working Space, Add	26.69	
For 300 LB Rating, Add	1,430.92	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0068	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow.....	540.37	62.04
			<i>For ASTM 120, Deduct</i>	-67.10	
			<i>For 225 LB Rating, Add</i>	917.09	
			<i>For Work In Restricted Working Space, Add</i>	27.90	
			<i>For 300 LB Rating, Add</i>	1,526.60	
22 11 16 00-0069			Galvanized Malleable Iron Tees (22 11 16 00-0013)		
22 11 16 00-0070	EA		1/2", 150 LB, Galvanized Malleable Iron Tee.....	27.35	16.61
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For 225 LB Rating, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
			<i>For 300 LB Rating, Add</i>	9.66	
22 11 16 00-0071	EA		3/4", 150 LB, Galvanized Malleable Iron Tee.....	32.92	19.23
			<i>For ASTM 120, Deduct</i>	-0.62	
			<i>For 225 LB Rating, Add</i>	8.47	
			<i>For Work In Restricted Working Space, Add</i>	8.64	
			<i>For 300 LB Rating, Add</i>	15.77	
22 11 16 00-0072	EA		1", 150 LB, Galvanized Malleable Iron Tee.....	40.79	22.67
			<i>For ASTM 120, Deduct</i>	-1.02	
			<i>For 225 LB Rating, Add</i>	13.88	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
			<i>For 300 LB Rating, Add</i>	25.06	
22 11 16 00-0073	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee.....	51.10	27.02
			<i>For ASTM 120, Deduct</i>	-1.60	
			<i>For 225 LB Rating, Add</i>	21.83	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	38.64	
22 11 16 00-0074	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee.....	61.58	32.18
			<i>For ASTM 120, Deduct</i>	-2.00	
			<i>For 225 LB Rating, Add</i>	27.27	
			<i>For Work In Restricted Working Space, Add</i>	14.48	
			<i>For 300 LB Rating, Add</i>	48.12	
22 11 16 00-0075	EA		2", 150 LB, Galvanized Malleable Iron Tee.....	79.08	39.96
			<i>For ASTM 120, Deduct</i>	-2.88	
			<i>For 225 LB Rating, Add</i>	39.38	
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For 300 LB Rating, Add</i>	68.91	
22 11 16 00-0076	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee.....	124.72	43.40
			<i>For ASTM 120, Deduct</i>	-8.95	
			<i>For 225 LB Rating, Add</i>	122.28	
			<i>For Work In Restricted Working Space, Add</i>	19.52	
			<i>For 300 LB Rating, Add</i>	206.71	
22 11 16 00-0077	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	148.71	52.54
			<i>For ASTM 120, Deduct</i>	-10.49	
			<i>For 225 LB Rating, Add</i>	143.36	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
			<i>For 300 LB Rating, Add</i>	242.49	
22 11 16 00-0078	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	272.68	71.83
			<i>For ASTM 120, Deduct</i>	-24.75	
			<i>For 225 LB Rating, Add</i>	338.21	
			<i>For Work In Restricted Working Space, Add</i>	32.31	
			<i>For 300 LB Rating, Add</i>	567.39	
22 11 16 00-0079	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	546.50	85.28
			<i>For ASTM 120, Deduct</i>	-62.79	
			<i>For 225 LB Rating, Add</i>	858.15	
			<i>For Work In Restricted Working Space, Add</i>	38.37	
			<i>For 300 LB Rating, Add</i>	1,430.95	
22 11 16 00-0080	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	610.75	97.49
			<i>For ASTM 120, Deduct</i>	-69.69	
			<i>For 225 LB Rating, Add</i>	952.43	
			<i>For Work In Restricted Working Space, Add</i>	43.85	
			<i>For 300 LB Rating, Add</i>	1,588.41	
22 11 16 00-0081			Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)		
22 11 16 00-0082	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	30.06	16.61
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For 225 LB Rating, Add</i>	10.48	
			<i>For Work In Restricted Working Space, Add</i>	7.49	
			<i>For 300 LB Rating, Add</i>	18.87	
22 11 16 00-0083	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	34.51	19.23
			<i>For ASTM 120, Deduct</i>	-0.86	
			<i>For 225 LB Rating, Add</i>	11.73	
			<i>For Work In Restricted Working Space, Add</i>	8.64	
			<i>For 300 LB Rating, Add</i>	21.18	
22 11 16 00-0084	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	42.02	22.67
			<i>For ASTM 120, Deduct</i>	-1.20	
			<i>For 225 LB Rating, Add</i>	16.40	
			<i>For Work In Restricted Working Space, Add</i>	10.21	
			<i>For 300 LB Rating, Add</i>	29.24	
22 11 16 00-0085	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	52.76	27.02
			<i>For ASTM 120, Deduct</i>	-1.85	
			<i>For 225 LB Rating, Add</i>	25.24	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
			<i>For 300 LB Rating, Add</i>	44.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0086 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	63.61	32.18
For ASTM 120, Deduct	-2.30	
For 225 LB Rating, Add	31.43	
For Work In Restricted Working Space, Add	14.48	
For 300 LB Rating, Add	55.02	
22 11 16 00-0087 EA 2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	84.68	39.96
For ASTM 120, Deduct	-3.72	
For 225 LB Rating, Add	50.86	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	87.95	
22 11 16 00-0088 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	132.63	43.55
For ASTM 120, Deduct	-10.10	
For 225 LB Rating, Add	138.07	
For Work In Restricted Working Space, Add	19.58	
For 300 LB Rating, Add	232.91	
22 11 16 00-0089 EA 3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	171.44	53.36
For ASTM 120, Deduct	-13.71	
For 225 LB Rating, Add	187.41	
For Work In Restricted Working Space, Add	24.01	
For 300 LB Rating, Add	315.63	
22 11 16 00-0090 EA 4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	290.23	71.83
For ASTM 120, Deduct	-27.38	
For 225 LB Rating, Add	374.19	
For Work In Restricted Working Space, Add	32.31	
For 300 LB Rating, Add	627.06	
22 11 16 00-0091 EA 5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	208.27	85.28
For ASTM 120, Deduct	-12.06	
For 225 LB Rating, Add	164.78	
For Work In Restricted Working Space, Add	38.37	
For 300 LB Rating, Add	280.97	
22 11 16 00-0092 EA 6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	645.65	97.49
For ASTM 120, Deduct	-74.93	
For 225 LB Rating, Add	1,023.98	
For Work In Restricted Working Space, Add	43.85	
For 300 LB Rating, Add	1,707.07	
22 11 16 00-0093 Galvanized Malleable Iron Couplings (22 11 16 00-0013)		
22 11 16 00-0094 EA 1/2", 150 LB, Galvanized Malleable Iron Coupling.....	22.78	13.32
For ASTM 120, Deduct	-0.42	
For 225 LB Rating, Add	5.80	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	10.82	
22 11 16 00-0095 EA 3/4", 150 LB, Galvanized Malleable Iron Coupling.....	25.60	14.89
For ASTM 120, Deduct	-0.49	
For 225 LB Rating, Add	6.68	
For Work In Restricted Working Space, Add	6.70	
For 300 LB Rating, Add	12.42	
22 11 16 00-0096 EA 1", 150 LB, Galvanized Malleable Iron Coupling.....	30.37	16.61
For ASTM 120, Deduct	-0.81	
For 225 LB Rating, Add	11.11	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	19.93	
22 11 16 00-0097 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling.....	35.57	18.86
For ASTM 120, Deduct	-1.10	
For 225 LB Rating, Add	15.03	
For Work In Restricted Working Space, Add	8.47	
For 300 LB Rating, Add	26.62	
22 11 16 00-0098 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	40.35	21.25
For ASTM 120, Deduct	-1.28	
For 225 LB Rating, Add	17.43	
For Work In Restricted Working Space, Add	9.56	
For 300 LB Rating, Add	30.81	
22 11 16 00-0099 EA 2", 150 LB, Galvanized Malleable Iron Coupling.....	52.89	27.02
For ASTM 120, Deduct	-1.87	
For 225 LB Rating, Add	25.50	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	44.72	
22 11 16 00-0100 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling.....	95.08	39.96
For ASTM 120, Deduct	-5.28	
For 225 LB Rating, Add	72.18	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	123.31	
22 11 16 00-0101 EA 3", 150 LB, Galvanized Malleable Iron Coupling.....	126.74	52.54
For ASTM 120, Deduct	-7.19	
For 225 LB Rating, Add	98.32	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	167.79	
22 11 16 00-0102 EA 4", 150 LB, Galvanized Malleable Iron Coupling.....	179.02	56.85
For ASTM 120, Deduct	-14.06	
For 225 LB Rating, Add	192.21	
For Work In Restricted Working Space, Add	25.58	
For 300 LB Rating, Add	323.90	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0103 EA 5", 150 LB, Galvanized Malleable Iron Coupling.....	263.37	59.34
For ASTM 120, Deduct	-26.16	
For 225 LB Rating, Add	357.52	
For Work In Restricted Working Space, Add	26.69	
For 300 LB Rating, Add	598.30	
22 11 16 00-0104 EA 6", 150 LB, Galvanized Malleable Iron Coupling.....	307.61	62.04
For ASTM 120, Deduct	-32.19	
For 225 LB Rating, Add	439.93	
For Work In Restricted Working Space, Add	27.90	
For 300 LB Rating, Add	735.22	
22 11 16 00-0105 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)		
22 11 16 00-0106 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	22.78	13.32
For ASTM 120, Deduct	-0.42	
For 225 LB Rating, Add	5.80	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	10.82	
22 11 16 00-0107 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	25.66	14.89
For ASTM 120, Deduct	-0.50	
For 225 LB Rating, Add	6.81	
For Work In Restricted Working Space, Add	6.70	
For 300 LB Rating, Add	12.63	
22 11 16 00-0108 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	30.12	16.61
For ASTM 120, Deduct	-0.78	
For 225 LB Rating, Add	10.60	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	19.08	
22 11 16 00-0109 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	35.44	18.86
For ASTM 120, Deduct	-1.08	
For 225 LB Rating, Add	14.76	
For Work In Restricted Working Space, Add	8.47	
For 300 LB Rating, Add	26.17	
22 11 16 00-0110 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	40.47	21.25
For ASTM 120, Deduct	-1.29	
For 225 LB Rating, Add	17.67	
For Work In Restricted Working Space, Add	9.56	
For 300 LB Rating, Add	31.22	
22 11 16 00-0111 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	52.89	27.02
For ASTM 120, Deduct	-1.87	
For 225 LB Rating, Add	25.50	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	44.72	
22 11 16 00-0112 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	96.19	39.96
For ASTM 120, Deduct	-5.45	
For 225 LB Rating, Add	74.46	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	127.08	
22 11 16 00-0113 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	127.10	52.54
For ASTM 120, Deduct	-7.25	
For 225 LB Rating, Add	99.06	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	169.01	
22 11 16 00-0114 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	189.79	56.85
For ASTM 120, Deduct	-15.68	
For 225 LB Rating, Add	214.29	
For Work In Restricted Working Space, Add	25.58	
For 300 LB Rating, Add	360.52	
22 11 16 00-0115 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	305.66	59.34
For ASTM 120, Deduct	-32.50	
For 225 LB Rating, Add	444.21	
For Work In Restricted Working Space, Add	26.69	
For 300 LB Rating, Add	742.08	
22 11 16 00-0116 EA 6", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	349.10	62.04
For ASTM 120, Deduct	-38.41	
For 225 LB Rating, Add	524.98	
For Work In Restricted Working Space, Add	27.90	
For 300 LB Rating, Add	876.29	
22 11 16 00-0117 Galvanized Malleable Iron Caps (22 11 16 00-0013)		
22 11 16 00-0118 EA 1/2", 150 LB, Galvanized Malleable Iron Cap.....	11.21	6.21
For ASTM 120, Deduct	-0.28	
For 225 LB Rating, Add	3.79	
For Work In Restricted Working Space, Add	2.81	
For 300 LB Rating, Add	6.85	
22 11 16 00-0119 EA 3/4", 150 LB, Galvanized Malleable Iron Cap.....	13.00	6.66
For ASTM 120, Deduct	-0.45	
For 225 LB Rating, Add	6.19	
For Work In Restricted Working Space, Add	2.99	
For 300 LB Rating, Add	10.87	
22 11 16 00-0120 EA 1", 150 LB, Galvanized Malleable Iron Cap.....	14.90	7.71
For ASTM 120, Deduct	-0.51	
For 225 LB Rating, Add	6.95	
For Work In Restricted Working Space, Add	3.45	
For 300 LB Rating, Add	12.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0121 EA 1-1/4", 150 LB, Galvanized Malleable Iron Cap	16.93	8.08
For ASTM 120, Deduct	-0.73	
For 225 LB Rating, Add	9.96	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	17.25	
22 11 16 00-0122 EA 1-1/2", 150 LB, Galvanized Malleable Iron Cap	18.29	8.08
For ASTM 120, Deduct	-0.93	
For 225 LB Rating, Add	12.75	
For Work In Restricted Working Space, Add	3.62	
For 300 LB Rating, Add	21.87	
22 11 16 00-0123 EA 2", 150 LB, Galvanized Malleable Iron Cap	23.92	10.70
For ASTM 120, Deduct	-1.17	
For 225 LB Rating, Add	16.03	
For Work In Restricted Working Space, Add	4.83	
For 300 LB Rating, Add	27.55	
22 11 16 00-0124 EA 2-1/2", 150 LB, Galvanized Malleable Iron Cap	43.59	13.32
For ASTM 120, Deduct	-3.55	
For 225 LB Rating, Add	48.46	
For Work In Restricted Working Space, Add	5.99	
For 300 LB Rating, Add	81.57	
22 11 16 00-0125 EA 3", 150 LB, Galvanized Malleable Iron Cap	51.78	16.09
For ASTM 120, Deduct	-4.15	
For 225 LB Rating, Add	56.66	
For Work In Restricted Working Space, Add	7.24	
For 300 LB Rating, Add	95.42	
22 11 16 00-0126 EA 4", 150 LB, Galvanized Malleable Iron Cap	89.31	19.52
For ASTM 120, Deduct	-9.01	
For 225 LB Rating, Add	123.16	
For Work In Restricted Working Space, Add	8.77	
For 300 LB Rating, Add	206.03	
22 11 16 00-0127 EA 5", 150 LB, Galvanized Malleable Iron Cap	156.03	24.40
For ASTM 120, Deduct	-17.92	
For 225 LB Rating, Add	244.95	
For Work In Restricted Working Space, Add	10.96	
For 300 LB Rating, Add	408.46	
22 11 16 00-0128 EA 6", 150 LB, Galvanized Malleable Iron Cap	250.51	29.01
For ASTM 120, Deduct	-31.05	
For 225 LB Rating, Add	424.29	
For Work In Restricted Working Space, Add	13.06	
For 300 LB Rating, Add	706.31	
22 11 16 00-0129 Galvanized Malleable Iron Unions (22 11 16 00-0013)		
22 11 16 00-0130 EA 1/2", 150 LB, Galvanized Malleable Iron Union	33.01	16.61
For 225 LB Rating, Add	16.52	
For Work In Restricted Working Space, Add	7.49	
For 300 LB Rating, Add	28.90	
22 11 16 00-0131 EA 3/4", 150 LB, Galvanized Malleable Iron Union	37.04	19.23
For 225 LB Rating, Add	16.91	
For Work In Restricted Working Space, Add	8.64	
For 300 LB Rating, Add	29.78	
22 11 16 00-0132 EA 1", 150 LB, Galvanized Malleable Iron Union	46.15	22.67
For 225 LB Rating, Add	24.87	
For Work In Restricted Working Space, Add	10.21	
For 300 LB Rating, Add	43.28	
22 11 16 00-0133 EA 1-1/4", 150 LB, Galvanized Malleable Iron Union	57.99	27.02
For 225 LB Rating, Add	35.96	
For Work In Restricted Working Space, Add	12.14	
For 300 LB Rating, Add	62.06	
22 11 16 00-0134 EA 1-1/2", 150 LB, Galvanized Malleable Iron Union	70.01	32.18
For 225 LB Rating, Add	44.55	
For Work In Restricted Working Space, Add	14.48	
For 300 LB Rating, Add	76.78	
22 11 16 00-0135 EA 2", 150 LB, Galvanized Malleable Iron Union	84.80	39.96
For 225 LB Rating, Add	51.11	
For Work In Restricted Working Space, Add	17.96	
For 300 LB Rating, Add	88.35	
22 11 16 00-0136 EA 2-1/2", 150 LB, Galvanized Malleable Iron Union	137.40	43.40
For 225 LB Rating, Add	148.28	
For Work In Restricted Working Space, Add	19.52	
For 300 LB Rating, Add	249.83	
22 11 16 00-0137 EA 3", 150 LB, Galvanized Malleable Iron Union	197.78	52.54
For 225 LB Rating, Add	243.95	
For Work In Restricted Working Space, Add	23.63	
For 300 LB Rating, Add	409.33	
22 11 16 00-0138 Galvanized Steel Nipples (22 11 16 00-0013)		
Note: ASTM A-53.		
22 11 16 00-0139 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple	11.42	7.11
For ASTM 120, Deduct	-0.11	
For Schedule 80 Nipples, Add	0.83	
For Work In Restricted Working Space, Add	3.21	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0140	EA		1/2" x Close, Schedule 40 Galvanized Steel Nipple.....	11.28	7.11
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Schedule 80 Nipples, Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0141	EA		3/4" x Close, Schedule 40 Galvanized Steel Nipple.....	11.41	7.11
			<i>For ASTM 120, Deduct</i>	-0.11	
			<i>For Schedule 80 Nipples, Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0142	EA		1" x Close, Schedule 40 Galvanized Steel Nipple.....	12.49	7.71
			<i>For ASTM 120, Deduct</i>	-0.15	
			<i>For Schedule 80 Nipples, Add</i>	1.12	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0143	EA		1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	13.79	8.31
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Schedule 80 Nipples, Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0144	EA		1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	14.02	8.31
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Schedule 80 Nipples, Add</i>	1.77	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0145	EA		2" x Close, Schedule 40 Galvanized Steel Nipple.....	18.29	10.70
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Schedule 80 Nipples, Add</i>	2.50	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0146	EA		2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	26.45	13.32
			<i>For ASTM 120, Deduct</i>	-0.98	
			<i>For Schedule 80 Nipples, Add</i>	7.41	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0147	EA		3" x Close, Schedule 40 Galvanized Steel Nipple.....	31.93	16.09
			<i>For ASTM 120, Deduct</i>	-1.17	
			<i>For Schedule 80 Nipples, Add</i>	8.88	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0148	EA		4" x Close, Schedule 40 Galvanized Steel Nipple.....	40.91	19.52
			<i>For ASTM 120, Deduct</i>	-1.75	
			<i>For Schedule 80 Nipples, Add</i>	13.32	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0149	EA		3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.53	7.11
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Schedule 80 Nipples, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0150	EA		1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.31	7.11
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Schedule 80 Nipples, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0151	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.47	7.11
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Schedule 80 Nipples, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0152	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.53	7.11
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Schedule 80 Nipples, Add</i>	0.96	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0153	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.31	7.11
			<i>For ASTM 120, Deduct</i>	-0.09	
			<i>For Schedule 80 Nipples, Add</i>	0.71	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0154	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	11.47	7.11
			<i>For ASTM 120, Deduct</i>	-0.12	
			<i>For Schedule 80 Nipples, Add</i>	0.89	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0155	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	12.67	7.71
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Schedule 80 Nipples, Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0156	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	13.89	8.31
			<i>For ASTM 120, Deduct</i>	-0.21	
			<i>For Schedule 80 Nipples, Add</i>	1.62	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0157	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	14.13	8.31
			<i>For ASTM 120, Deduct</i>	-0.25	
			<i>For Schedule 80 Nipples, Add</i>	1.89	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0158	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.81	7.11
			<i>For ASTM 120, Deduct</i>	-0.17	
			<i>For Schedule 80 Nipples, Add</i>	1.28	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0159	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.42	7.11
			<i>For ASTM 120, Deduct</i>	-0.11	
			<i>For Schedule 80 Nipples, Add</i>	0.83	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0160	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.55	7.11
			<i>For ASTM 120, Deduct</i>	-0.13	
			<i>For Schedule 80 Nipples, Add</i>	0.98	
			<i>For Work In Restricted Working Space, Add</i>	3.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0161 EA 1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.77	7.71
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.44	
For Work In Restricted Working Space, Add	3.45	
22 11 16 00-0162 EA 1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.03	8.31
For ASTM 120, Deduct	-0.23	
For Schedule 80 Nipples, Add	1.78	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0163 EA 1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
For ASTM 120, Deduct	-0.28	
For Schedule 80 Nipples, Add	2.11	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0164 EA 2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.56	10.70
For ASTM 120, Deduct	-0.37	
For Schedule 80 Nipples, Add	2.80	
For Work In Restricted Working Space, Add	4.83	
22 11 16 00-0165 EA 3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.81	7.11
For ASTM 120, Deduct	-0.17	
For Schedule 80 Nipples, Add	1.28	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0166 EA 1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.42	7.11
For ASTM 120, Deduct	-0.11	
For Schedule 80 Nipples, Add	0.83	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0167 EA 3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	11.55	7.11
For ASTM 120, Deduct	-0.13	
For Schedule 80 Nipples, Add	0.98	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0168 EA 1" x 3" Long, Schedule 40 Galvanized Steel Nipple	12.77	7.71
For ASTM 120, Deduct	-0.19	
For Schedule 80 Nipples, Add	1.44	
For Work In Restricted Working Space, Add	3.45	
22 11 16 00-0169 EA 1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.03	8.31
For ASTM 120, Deduct	-0.23	
For Schedule 80 Nipples, Add	1.78	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0170 EA 1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
For ASTM 120, Deduct	-0.28	
For Schedule 80 Nipples, Add	2.11	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0171 EA 2" x 3" Long, Schedule 40 Galvanized Steel Nipple	18.56	10.70
For ASTM 120, Deduct	-0.37	
For Schedule 80 Nipples, Add	2.80	
For Work In Restricted Working Space, Add	4.83	
22 11 16 00-0172 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.70	13.32
For ASTM 120, Deduct	-1.01	
For Schedule 80 Nipples, Add	7.70	
For Work In Restricted Working Space, Add	5.99	
22 11 16 00-0173 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple	33.01	16.09
For ASTM 120, Deduct	-1.33	
For Schedule 80 Nipples, Add	10.11	
For Work In Restricted Working Space, Add	7.24	
22 11 16 00-0174 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
For ASTM 120, Deduct	-0.20	
For Schedule 80 Nipples, Add	1.52	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0175 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.59	7.11
For ASTM 120, Deduct	-0.14	
For Schedule 80 Nipples, Add	1.03	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0176 EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.81	7.11
For ASTM 120, Deduct	-0.17	
For Schedule 80 Nipples, Add	1.28	
For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0177 EA 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.02	7.71
For ASTM 120, Deduct	-0.23	
For Schedule 80 Nipples, Add	1.72	
For Work In Restricted Working Space, Add	3.45	
22 11 16 00-0178 EA 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
For ASTM 120, Deduct	-0.28	
For Schedule 80 Nipples, Add	2.11	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0179 EA 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.81	8.31
For ASTM 120, Deduct	-0.35	
For Schedule 80 Nipples, Add	2.67	
For Work In Restricted Working Space, Add	3.74	
22 11 16 00-0180 EA 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.09	10.70
For ASTM 120, Deduct	-0.45	
For Schedule 80 Nipples, Add	3.41	
For Work In Restricted Working Space, Add	4.83	
22 11 16 00-0181 EA 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.79	13.32
For ASTM 120, Deduct	-1.18	
For Schedule 80 Nipples, Add	8.94	
For Work In Restricted Working Space, Add	5.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0182	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.54	16.09
			<i>For ASTM 120, Deduct</i>	-1.56	
			<i>For Schedule 80 Nipples, Add</i>	11.86	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0183	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.02	7.11
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Schedule 80 Nipples, Add</i>	1.52	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0184	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	11.59	7.11
			<i>For ASTM 120, Deduct</i>	-0.14	
			<i>For Schedule 80 Nipples, Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0185	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	12.02	7.11
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Schedule 80 Nipples, Add</i>	1.52	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0186	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	13.02	7.71
			<i>For ASTM 120, Deduct</i>	-0.23	
			<i>For Schedule 80 Nipples, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0187	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.32	8.31
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0188	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	14.81	8.31
			<i>For ASTM 120, Deduct</i>	-0.35	
			<i>For Schedule 80 Nipples, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0189	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	19.11	10.70
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Schedule 80 Nipples, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0190	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	27.79	13.32
			<i>For ASTM 120, Deduct</i>	-1.18	
			<i>For Schedule 80 Nipples, Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0191	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	34.54	16.09
			<i>For ASTM 120, Deduct</i>	-1.56	
			<i>For Schedule 80 Nipples, Add</i>	11.86	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0192	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple.....	43.20	19.52
			<i>For ASTM 120, Deduct</i>	-2.10	
			<i>For Schedule 80 Nipples, Add</i>	15.93	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0193	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.52	7.11
			<i>For ASTM 120, Deduct</i>	-0.27	
			<i>For Schedule 80 Nipples, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0194	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	11.78	7.11
			<i>For ASTM 120, Deduct</i>	-0.16	
			<i>For Schedule 80 Nipples, Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0195	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Schedule 80 Nipples, Add</i>	1.52	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0196	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	13.36	7.71
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0197	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.76	8.31
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Schedule 80 Nipples, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0198	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.30	8.31
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Schedule 80 Nipples, Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0199	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.91	10.70
			<i>For ASTM 120, Deduct</i>	-0.57	
			<i>For Schedule 80 Nipples, Add</i>	4.34	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0200	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.69	13.32
			<i>For ASTM 120, Deduct</i>	-1.31	
			<i>For Schedule 80 Nipples, Add</i>	9.96	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0201	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.27	16.09
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Schedule 80 Nipples, Add</i>	13.83	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0202	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	44.89	19.52
			<i>For ASTM 120, Deduct</i>	-2.35	
			<i>For Schedule 80 Nipples, Add</i>	17.85	
			<i>For Work In Restricted Working Space, Add</i>	8.77	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0203	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	12.52	7.11
			<i>For ASTM 120, Deduct</i>	-0.27	
			<i>For Schedule 80 Nipples, Add</i>	2.09	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0204	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	11.78	7.11
			<i>For ASTM 120, Deduct</i>	-0.16	
			<i>For Schedule 80 Nipples, Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0205	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	12.02	7.11
			<i>For ASTM 120, Deduct</i>	-0.20	
			<i>For Schedule 80 Nipples, Add</i>	1.52	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0206	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple	13.36	7.71
			<i>For ASTM 120, Deduct</i>	-0.28	
			<i>For Schedule 80 Nipples, Add</i>	2.11	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0207	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	14.76	8.31
			<i>For ASTM 120, Deduct</i>	-0.34	
			<i>For Schedule 80 Nipples, Add</i>	2.61	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0208	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	15.30	8.31
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Schedule 80 Nipples, Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0209	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.91	10.70
			<i>For ASTM 120, Deduct</i>	-0.57	
			<i>For Schedule 80 Nipples, Add</i>	4.34	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0210	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.69	13.32
			<i>For ASTM 120, Deduct</i>	-1.31	
			<i>For Schedule 80 Nipples, Add</i>	9.96	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0211	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple	36.27	16.09
			<i>For ASTM 120, Deduct</i>	-1.82	
			<i>For Schedule 80 Nipples, Add</i>	13.83	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0212	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple	44.89	19.52
			<i>For ASTM 120, Deduct</i>	-2.35	
			<i>For Schedule 80 Nipples, Add</i>	17.85	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0213	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.72	7.11
			<i>For ASTM 120, Deduct</i>	-0.30	
			<i>For Schedule 80 Nipples, Add</i>	2.31	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0214	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	11.92	7.11
			<i>For ASTM 120, Deduct</i>	-0.18	
			<i>For Schedule 80 Nipples, Add</i>	1.40	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0215	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	12.29	7.11
			<i>For ASTM 120, Deduct</i>	-0.24	
			<i>For Schedule 80 Nipples, Add</i>	1.82	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0216	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple	13.61	7.71
			<i>For ASTM 120, Deduct</i>	-0.32	
			<i>For Schedule 80 Nipples, Add</i>	2.39	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0217	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.13	8.31
			<i>For ASTM 120, Deduct</i>	-0.40	
			<i>For Schedule 80 Nipples, Add</i>	3.03	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0218	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	15.66	8.31
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Schedule 80 Nipples, Add</i>	3.64	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0219	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple	20.53	10.70
			<i>For ASTM 120, Deduct</i>	-0.66	
			<i>For Schedule 80 Nipples, Add</i>	5.05	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0220	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.55	13.32
			<i>For ASTM 120, Deduct</i>	-1.44	
			<i>For Schedule 80 Nipples, Add</i>	10.94	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0221	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple	36.96	16.09
			<i>For ASTM 120, Deduct</i>	-1.92	
			<i>For Schedule 80 Nipples, Add</i>	14.61	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0222	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple	46.55	19.52
			<i>For ASTM 120, Deduct</i>	-2.60	
			<i>For Schedule 80 Nipples, Add</i>	19.74	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0223	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	18.81	7.11
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For Schedule 80 Nipples, Add</i>	9.26	
			<i>For Work In Restricted Working Space, Add</i>	3.21	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0224	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	12.86	7.11
			<i>For ASTM 120, Deduct</i>	-0.33	
			<i>For Schedule 80 Nipples, Add</i>	2.47	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0225	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	13.47	7.11
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Schedule 80 Nipples, Add</i>	3.17	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0226	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	15.03	7.71
			<i>For ASTM 120, Deduct</i>	-0.53	
			<i>For Schedule 80 Nipples, Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0227	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	16.78	8.31
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Schedule 80 Nipples, Add</i>	4.91	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0228	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	17.42	8.31
			<i>For ASTM 120, Deduct</i>	-0.74	
			<i>For Schedule 80 Nipples, Add</i>	5.64	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0229	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	23.32	10.70
			<i>For ASTM 120, Deduct</i>	-1.08	
			<i>For Schedule 80 Nipples, Add</i>	8.23	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0230	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	32.31	13.32
			<i>For ASTM 120, Deduct</i>	-1.85	
			<i>For Schedule 80 Nipples, Add</i>	14.09	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0231	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	41.42	16.09
			<i>For ASTM 120, Deduct</i>	-2.59	
			<i>For Schedule 80 Nipples, Add</i>	19.70	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0232	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple.....	49.89	19.52
			<i>For ASTM 120, Deduct</i>	-3.10	
			<i>For Schedule 80 Nipples, Add</i>	23.55	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0233	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	14.56	7.11
			<i>For ASTM 120, Deduct</i>	-0.58	
			<i>For Schedule 80 Nipples, Add</i>	4.41	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0234	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	13.27	7.11
			<i>For ASTM 120, Deduct</i>	-0.39	
			<i>For Schedule 80 Nipples, Add</i>	2.94	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0235	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	13.77	7.11
			<i>For ASTM 120, Deduct</i>	-0.46	
			<i>For Schedule 80 Nipples, Add</i>	3.51	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0236	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	15.53	7.71
			<i>For ASTM 120, Deduct</i>	-0.60	
			<i>For Schedule 80 Nipples, Add</i>	4.58	
			<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0237	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	17.63	8.31
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Schedule 80 Nipples, Add</i>	5.88	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0238	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	18.24	8.31
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Schedule 80 Nipples, Add</i>	6.58	
			<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0239	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	24.54	10.70
			<i>For ASTM 120, Deduct</i>	-1.27	
			<i>For Schedule 80 Nipples, Add</i>	9.62	
			<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0240	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	34.04	13.32
			<i>For ASTM 120, Deduct</i>	-2.11	
			<i>For Schedule 80 Nipples, Add</i>	16.06	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0241	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	43.85	16.09
			<i>For ASTM 120, Deduct</i>	-2.96	
			<i>For Schedule 80 Nipples, Add</i>	22.47	
			<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0242	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	53.18	19.52
			<i>For ASTM 120, Deduct</i>	-3.59	
			<i>For Schedule 80 Nipples, Add</i>	27.30	
			<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0243	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	14.98	7.11
			<i>For ASTM 120, Deduct</i>	-0.64	
			<i>For Schedule 80 Nipples, Add</i>	4.89	
			<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0244	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	13.62	7.11
			<i>For ASTM 120, Deduct</i>	-0.44	
			<i>For Schedule 80 Nipples, Add</i>	3.34	
			<i>For Work In Restricted Working Space, Add</i>	3.21	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0245	EA			3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	14.15	7.11
				<i>For ASTM 120, Deduct</i>	-0.52	
				<i>For Schedule 80 Nipples, Add</i>	3.94	
				<i>For Work In Restricted Working Space, Add</i>	3.21	
22 11 16 00-0246	EA			1" x 12" Long, Schedule 40 Galvanized Steel Nipple	16.19	7.71
				<i>For ASTM 120, Deduct</i>	-0.70	
				<i>For Schedule 80 Nipples, Add</i>	5.34	
				<i>For Work In Restricted Working Space, Add</i>	3.45	
22 11 16 00-0247	EA			1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	18.66	8.31
				<i>For ASTM 120, Deduct</i>	-0.93	
				<i>For Schedule 80 Nipples, Add</i>	7.06	
				<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0248	EA			1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	19.07	8.31
				<i>For ASTM 120, Deduct</i>	-0.99	
				<i>For Schedule 80 Nipples, Add</i>	7.52	
				<i>For Work In Restricted Working Space, Add</i>	3.74	
22 11 16 00-0249	EA			2" x 12" Long, Schedule 40 Galvanized Steel Nipple	25.79	10.70
				<i>For ASTM 120, Deduct</i>	-1.45	
				<i>For Schedule 80 Nipples, Add</i>	11.05	
				<i>For Work In Restricted Working Space, Add</i>	4.83	
22 11 16 00-0250	EA			2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	35.72	13.32
				<i>For ASTM 120, Deduct</i>	-2.37	
				<i>For Schedule 80 Nipples, Add</i>	17.98	
				<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0251	EA			3" x 12" Long, Schedule 40 Galvanized Steel Nipple	46.30	16.09
				<i>For ASTM 120, Deduct</i>	-3.32	
				<i>For Schedule 80 Nipples, Add</i>	25.26	
				<i>For Work In Restricted Working Space, Add</i>	7.24	
22 11 16 00-0252	EA			4" x 12" Long, Schedule 40 Galvanized Steel Nipple	56.49	19.52
				<i>For ASTM 120, Deduct</i>	-4.09	
				<i>For Schedule 80 Nipples, Add</i>	31.08	
				<i>For Work In Restricted Working Space, Add</i>	8.77	
22 11 16 00-0253				Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)		
22 11 16 00-0254	EA			1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	10.98	5.32
				<i>For 225 LB Rating, Add</i>	6.19	
				<i>For Work In Restricted Working Space, Add</i>	2.39	
				<i>For 300 LB Rating, Add</i>	10.75	
22 11 16 00-0255	EA			3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	14.36	5.32
				<i>For 225 LB Rating, Add</i>	13.12	
				<i>For Work In Restricted Working Space, Add</i>	2.39	
				<i>For 300 LB Rating, Add</i>	22.24	
22 11 16 00-0256	EA			1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	18.41	8.08
				<i>For 225 LB Rating, Add</i>	13.00	
				<i>For Work In Restricted Working Space, Add</i>	3.62	
				<i>For 300 LB Rating, Add</i>	22.28	
22 11 16 00-0257	EA			1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	20.01	8.08
				<i>For 225 LB Rating, Add</i>	16.28	
				<i>For Work In Restricted Working Space, Add</i>	3.62	
				<i>For 300 LB Rating, Add</i>	27.72	
22 11 16 00-0258	EA			1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	22.47	8.08
				<i>For 225 LB Rating, Add</i>	21.32	
				<i>For Work In Restricted Working Space, Add</i>	3.62	
				<i>For 300 LB Rating, Add</i>	36.08	
22 11 16 00-0259	EA			2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	31.12	10.70
				<i>For 225 LB Rating, Add</i>	30.79	
				<i>For Work In Restricted Working Space, Add</i>	4.83	
				<i>For 300 LB Rating, Add</i>	52.03	
22 11 16 00-0260	EA			2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	41.07	13.32
				<i>For 225 LB Rating, Add</i>	43.30	
				<i>For Work In Restricted Working Space, Add</i>	5.99	
				<i>For 300 LB Rating, Add</i>	73.01	
22 11 16 00-0261	EA			3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	58.12	16.09
				<i>For 225 LB Rating, Add</i>	69.66	
				<i>For Work In Restricted Working Space, Add</i>	7.24	
				<i>For 300 LB Rating, Add</i>	116.98	
22 11 16 00-0262	EA			4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	68.81	19.52
				<i>For 225 LB Rating, Add</i>	81.14	
				<i>For Work In Restricted Working Space, Add</i>	8.77	
				<i>For 300 LB Rating, Add</i>	136.33	
22 11 16 00-0263	EA			5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	107.09	24.40
				<i>For 225 LB Rating, Add</i>	144.63	
				<i>For Work In Restricted Working Space, Add</i>	10.96	
				<i>For 300 LB Rating, Add</i>	242.06	
22 11 16 00-0264	EA			6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	132.68	29.01
				<i>For 225 LB Rating, Add</i>	182.74	
				<i>For Work In Restricted Working Space, Add</i>	13.06	
				<i>For 300 LB Rating, Add</i>	305.69	
22 11 16 00-0265				125 LB, Galvanized Cast Iron Flanges (22 11 16 00-0013)		
22 11 16 00-0266	EA			1", 125 LB, Galvanized Cast Iron Flange.....	105.29	33.82
				<i>For Work In Restricted Working Space, Add</i>	15.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0267 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	115.11 15.75	35.02
22 11 16 00-0268 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	122.69 17.14	38.10
22 11 16 00-0269 EA 2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	117.28 17.89	39.74
22 11 16 00-0270 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	136.44 20.69	46.02
22 11 16 00-0271 EA 3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	169.47 26.25	58.37
22 11 16 00-0272 EA 4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	228.53 35.07	77.97
22 11 16 00-0273 EA 5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	272.13 41.75	92.81
22 11 16 00-0274 EA 6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	321.81 47.96	106.62
22 11 16 00-0275 Cut And Thread Existing In-Place Galvanized Steel Pipe (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0276 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	24.38 7.31	
22 11 16 00-0277 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	26.83 8.05	
22 11 16 00-0278 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	29.27 8.78	
22 11 16 00-0279 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	31.70 9.51	
22 11 16 00-0280 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.33 10.00	
22 11 16 00-0281 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	34.96 10.49	
22 11 16 00-0282 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.59 10.98	
22 11 16 00-0283 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.21 11.46	
22 11 16 00-0284 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.83 11.95	
22 11 16 00-0285 Copper Pipe And Fittings (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0755 for pipe with fittings assembly.		
22 11 16 00-0286 Copper Tube/Pipe (22 11 16 00-0285) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
22 11 16 00-0287 Hard Drawn Type L Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0288 LF 1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	3.62 0.82	1.83
22 11 16 00-0289 LF 3/8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.19 0.86	1.90
22 11 16 00-0290 LF 1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	4.62 0.89	1.98
22 11 16 00-0291 LF 3/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	5.68 0.95	2.10
22 11 16 00-0292 LF 1" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	7.17 1.07	2.37
22 11 16 00-0293 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	10.35 1.58	3.52
22 11 16 00-0294 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	13.03 1.76	3.93
22 11 16 00-0295 LF 2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	22.15 2.18	4.84
22 11 16 00-0296 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	38.73 5.45	6.05
22 11 16 00-0297 LF 3" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	45.70 6.04	6.71
22 11 16 00-0298 LF 4" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	63.67 6.81	7.57
22 11 16 00-0299 LF 5" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	139.54 7.82	8.69
22 11 16 00-0300 LF 6" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	169.53 12.12	13.48
22 11 16 00-0301 LF 8" Hard Drawn Type L Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i>	278.38 13.48	14.98
22 11 16 00-0302 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0303 LF 1/4" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	3.96 0.89 0.08	1.96
22 11 16 00-0304 LF 3/8" Hard Drawn Type K Copper Tube/Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Medical/Oxygen Service Tubing, Add</i>	5.18 1.01 0.14	2.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0305 LF 1/2" Hard Drawn Type K Copper Tube/Pipe.....	5.26	2.19
For Work In Restricted Working Space, Add	0.98	
For Medical/Oxygen Service Tubing, Add	0.16	
22 11 16 00-0306 LF 3/4" Hard Drawn Type K Copper Tube/Pipe.....	7.36	2.54
For Work In Restricted Working Space, Add	1.14	
For Medical/Oxygen Service Tubing, Add	0.28	
22 11 16 00-0307 LF 1" Hard Drawn Type K Copper Tube/Pipe.....	8.69	2.70
For Work In Restricted Working Space, Add	1.22	
For Medical/Oxygen Service Tubing, Add	0.37	
22 11 16 00-0308 LF 1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	8.25	3.83
For Work In Restricted Working Space, Add	1.72	
For Medical/Oxygen Service Tubing, Add	0.20	
22 11 16 00-0309 LF 1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	14.98	4.30
For Work In Restricted Working Space, Add	1.94	
For Medical/Oxygen Service Tubing, Add	0.68	
22 11 16 00-0310 LF 2" Hard Drawn Type K Copper Tube/Pipe.....	25.43	5.28
For Work In Restricted Working Space, Add	2.37	
For Medical/Oxygen Service Tubing, Add	1.40	
22 11 16 00-0311 LF 2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	44.11	13.21
For Work In Restricted Working Space, Add	5.94	
For Medical/Oxygen Service Tubing, Add	1.95	
22 11 16 00-0312 LF 3" Hard Drawn Type K Copper Tube/Pipe.....	52.87	14.77
For Work In Restricted Working Space, Add	6.64	
For Medical/Oxygen Service Tubing, Add	2.46	
22 11 16 00-0313 LF 4" Hard Drawn Type K Copper Tube/Pipe.....	74.67	16.73
For Work In Restricted Working Space, Add	7.53	
For Medical/Oxygen Service Tubing, Add	3.97	
22 11 16 00-0314 LF 5" Hard Drawn Type K Copper Tube/Pipe.....	173.80	19.75
For Work In Restricted Working Space, Add	8.88	
For Medical/Oxygen Service Tubing, Add	11.54	
22 11 16 00-0315 LF 6" Hard Drawn Type K Copper Tube/Pipe.....	223.70	31.84
For Work In Restricted Working Space, Add	14.32	
For Medical/Oxygen Service Tubing, Add	14.08	
22 11 16 00-0316 LF 8" Hard Drawn Type K Copper Tube/Pipe.....	365.91	35.08
For Work In Restricted Working Space, Add	15.78	
For Medical/Oxygen Service Tubing, Add	25.06	
22 11 16 00-0317 Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0286)		
22 11 16 00-0318 LF 1/4" Hard Drawn Type M Copper Tube/Pipe.....	3.14	1.58
For Work In Restricted Working Space, Add	0.71	
22 11 16 00-0319 LF 3/8" Hard Drawn Type M Copper Tube/Pipe.....	3.25	1.52
For Work In Restricted Working Space, Add	0.68	
22 11 16 00-0320 LF 1/2" Hard Drawn Type M Copper Tube/Pipe.....	3.52	1.57
For Work In Restricted Working Space, Add	0.71	
22 11 16 00-0321 LF 3/4" Hard Drawn Type M Copper Tube/Pipe.....	4.32	1.67
For Work In Restricted Working Space, Add	0.75	
22 11 16 00-0322 LF 1" Hard Drawn Type M Copper Tube/Pipe.....	5.36	1.86
For Work In Restricted Working Space, Add	0.84	
22 11 16 00-0323 LF 1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	8.21	2.87
For Work In Restricted Working Space, Add	1.29	
22 11 16 00-0324 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	10.84	3.29
For Work In Restricted Working Space, Add	1.49	
22 11 16 00-0325 LF 2" Hard Drawn Type M Copper Tube/Pipe.....	18.54	4.09
For Work In Restricted Working Space, Add	1.84	
22 11 16 00-0326 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	33.35	11.01
For Work In Restricted Working Space, Add	4.95	
22 11 16 00-0327 LF 3" Hard Drawn Type M Copper Tube/Pipe.....	38.74	12.11
For Work In Restricted Working Space, Add	5.45	
22 11 16 00-0328 LF 4" Hard Drawn Type M Copper Tube/Pipe.....	56.67	14.13
For Work In Restricted Working Space, Add	6.35	
22 11 16 00-0329 LF 5" Hard Drawn Type M Copper Tube/Pipe.....	123.76	16.31
For Work In Restricted Working Space, Add	7.34	
22 11 16 00-0330 LF 6" Hard Drawn Type M Copper Tube/Pipe.....	150.79	25.26
For Work In Restricted Working Space, Add	11.36	
22 11 16 00-0331 LF 8" Hard Drawn Type M Copper Tube/Pipe.....	241.26	27.79
For Work In Restricted Working Space, Add	12.50	
22 11 16 00-0332 Soft Drawn Type L Copper Tube (22 11 16 00-0286)		
22 11 16 00-0333 LF 1/4" Soft Drawn Type L Copper Tube.....	3.69	0.20
For Work In Restricted Working Space, Add	0.82	
22 11 16 00-0334 LF 3/8" Soft Drawn Type L Copper Tube.....	4.34	1.90
For Work In Restricted Working Space, Add	0.86	
22 11 16 00-0335 LF 1/2" Soft Drawn Type L Copper Tube.....	4.91	1.98
For Work In Restricted Working Space, Add	0.89	
22 11 16 00-0336 LF 5/8" Soft Drawn Type L Copper Tube.....	5.65	2.04
For Work In Restricted Working Space, Add	0.92	
22 11 16 00-0337 LF 3/4" Soft Drawn Type L Copper Tube.....	6.11	2.10
For Work In Restricted Working Space, Add	0.95	
22 11 16 00-0338 LF 1" Soft Drawn Type L Copper Tube.....	7.78	2.37
For Work In Restricted Working Space, Add	1.07	
22 11 16 00-0339 LF 1-1/4" Soft Drawn Type L Copper Tube.....	11.69	3.52
For Work In Restricted Working Space, Add	1.58	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0340	LF		1-1/2" Soft Drawn Type L Copper Tube.....	14.10	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0341	LF		2" Soft Drawn Type L Copper Tube.....	20.72	4.84
			<i>For Work In Restricted Working Space, Add</i>	2.18	
22 11 16 00-0342			Soft Drawn Type K Copper Tube (22 11 16 00-0286)		
22 11 16 00-0343	LF		1/4" Soft Drawn Type K Copper Tube.....	3.88	0.20
			<i>For Work In Restricted Working Space, Add</i>	0.82	
22 11 16 00-0344	LF		3/8" Soft Drawn Type K Copper Tube.....	4.90	1.90
			<i>For Work In Restricted Working Space, Add</i>	0.86	
22 11 16 00-0345	LF		1/2" Soft Drawn Type K Copper Tube.....	5.26	1.98
			<i>For Work In Restricted Working Space, Add</i>	0.89	
22 11 16 00-0346	LF		5/8" Soft Drawn Type K Copper Tube.....	6.00	2.04
			<i>For Work In Restricted Working Space, Add</i>	0.92	
22 11 16 00-0347	LF		3/4" Soft Drawn Type K Copper Tube.....	7.20	2.10
			<i>For Work In Restricted Working Space, Add</i>	0.95	
22 11 16 00-0348	LF		1" Soft Drawn Type K Copper Tube.....	8.94	2.37
			<i>For Work In Restricted Working Space, Add</i>	1.07	
22 11 16 00-0349	LF		1-1/4" Soft Drawn Type K Copper Tube.....	12.55	3.52
			<i>For Work In Restricted Working Space, Add</i>	1.58	
22 11 16 00-0350	LF		1-1/2" Soft Drawn Type K Copper Tube.....	15.43	3.93
			<i>For Work In Restricted Working Space, Add</i>	1.76	
22 11 16 00-0351	LF		2" Soft Drawn Type K Copper Tube.....	22.47	4.84
			<i>For Work In Restricted Working Space, Add</i>	2.18	
22 11 16 00-0352	LF		2-1/2" Soft Drawn Type K Copper Tube.....	26.97	5.81
			<i>For Work In Restricted Working Space, Add</i>	2.61	
22 11 16 00-0353	LF		3" Soft Drawn Type K Copper Tube.....	35.81	6.86
			<i>For Work In Restricted Working Space, Add</i>	3.08	
22 11 16 00-0354			Copper And Brass Fittings (22 11 16 00-0285)		
			Note: All fittings are based on 95/5 solder.		
22 11 16 00-0355			90 Degree Copper And Brass Elbows (22 11 16 00-0354)		
22 11 16 00-0356	EA		1/4" Or 3/8" 90 Degree Copper Elbow.....	17.25	10.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For Street Fitting, Add</i>	0.40	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.49	
22 11 16 00-0357	EA		1/2" 90 Degree Copper Elbow.....	27.17	17.88
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
			<i>For Street Fitting, Add</i>	0.14	
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.04	
22 11 16 00-0358	EA		3/4" 90 Degree Copper Elbow.....	34.06	22.27
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
			<i>For Street Fitting, Add</i>	0.29	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.04	
22 11 16 00-0359	EA		1" 90 Degree Copper Elbow.....	41.66	26.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.98	
			<i>For Street Fitting, Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.07	
22 11 16 00-0360	EA		1-1/4" 90 Degree Copper Elbow.....	45.85	28.77
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.45	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.46	
			<i>For Street Fitting, Add</i>	1.10	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.60	
22 11 16 00-0361	EA		1-1/2" 90 Degree Copper Elbow.....	51.45	31.46
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.93	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For Street Fitting, Add</i>	1.72	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.29	
22 11 16 00-0362	EA		2" 90 Degree Copper Elbow.....	60.67	35.28
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.93	
			<i>For Street Fitting, Add</i>	3.13	
			<i>For Work In Restricted Working Space, Add</i>	15.86	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.32	
22 11 16 00-0363	EA		2-1/2" 90 Degree Copper Elbow.....	68.78	35.92
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.13	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.08	
			<i>For Work In Restricted Working Space, Add</i>	16.16	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.83	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0364	EA		3" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	85.23 -7.48 9.65 19.31 10.70	42.96
	22 11 16 00-0365	EA		4" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	144.79 -11.80 13.70 27.39 16.37	60.92
	22 11 16 00-0366	EA		5" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	321.83 -22.34 18.75 37.49 28.59	83.37
	22 11 16 00-0367	EA		6" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	456.84 -31.93 27.28 54.56 41.03	121.31
	22 11 16 00-0368	EA		8" 90 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	833.52 -53.80 36.37 72.74 65.92	161.72
	22 11 16 00-0369	EA		1/2" Drop Ear 90 Degree Brass Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	29.15 -2.80 4.02 8.05 4.14	17.88
	22 11 16 00-0370	EA		3/4" Drop Ear 90 Degree Brass Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	35.65 -3.45 5.00 10.00 5.12	22.27
	22 11 16 00-0371	EA		1" Drop Ear 90 Degree Brass Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.49 -4.32 5.98 11.95 6.31	26.58
	22 11 16 00-0372	EA		1/2" Flanged Sink 90 Degree Brass Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	28.95 -2.79 4.02 8.05 4.13	17.88
	22 11 16 00-0373	EA		3/4" Flanged Sink 90 Degree Brass Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	37.66 -3.55 5.00 10.00 5.22	22.27
	22 11 16 00-0374			45 Degree Copper Elbows (22 11 16 00-0354)		
	22 11 16 00-0375	EA		1/4" Or 3/8" 45 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.84 -1.71 2.44 0.63 4.88 2.52	10.81
	22 11 16 00-0376	EA		1/2" 45 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.44 -2.71 4.02 0.24 8.05 4.06	17.88
	22 11 16 00-0377	EA		3/4" 45 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.39 -3.39 5.00 0.42 10.00 5.05	22.27
	22 11 16 00-0378	EA		1" 45 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.51 -4.12 5.98 1.07 11.95 6.11	26.58
	22 11 16 00-0379	EA		1-1/4" 45 Degree Copper Elbow <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.70 -4.49 6.46 1.44 12.93 6.64	28.77

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0380 EA 1-1/2" 45 Degree Copper Elbow	51.48	31.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.93	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.07	
For Street Fitting, Add	1.73	
For Work In Restricted Working Space, Add	14.15	
For Silver Solder Instead Of 95/5 Solder, Add	7.29	
22 11 16 00-0381 EA 2" 45 Degree Copper Elbow	60.11	35.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.93	
For Work In Restricted Working Space, Add	15.86	
For Silver Solder Instead Of 95/5 Solder, Add	8.29	
22 11 16 00-0382 EA 2-1/2" 45 Degree Copper Elbow	69.34	35.92
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.16	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.08	
For Work In Restricted Working Space, Add	16.16	
For Silver Solder Instead Of 95/5 Solder, Add	8.86	
22 11 16 00-0383 EA 3" 45 Degree Copper Elbow	87.28	42.96
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.58	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.65	
For Work In Restricted Working Space, Add	19.31	
For Silver Solder Instead Of 95/5 Solder, Add	10.80	
22 11 16 00-0384 EA 4" 45 Degree Copper Elbow	140.16	60.92
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.70	
For Work In Restricted Working Space, Add	27.39	
For Silver Solder Instead Of 95/5 Solder, Add	16.14	
22 11 16 00-0385 EA 5" 45 Degree Copper Elbow	313.83	83.37
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.75	
For Work In Restricted Working Space, Add	37.49	
For Silver Solder Instead Of 95/5 Solder, Add	28.19	
22 11 16 00-0386 EA 6" 45 Degree Copper Elbow	465.45	121.31
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-32.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.28	
For Work In Restricted Working Space, Add	54.56	
For Silver Solder Instead Of 95/5 Solder, Add	41.46	
22 11 16 00-0387 EA 8" 45 Degree Copper Elbow	772.21	161.72
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-50.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	36.37	
For Work In Restricted Working Space, Add	72.74	
For Silver Solder Instead Of 95/5 Solder, Add	62.86	
22 11 16 00-0388 Straight Copper And Brass Tees (22 11 16 00-0354)		
22 11 16 00-0389 EA 1/4" Straight Copper Tee	21.70	13.01
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
For Work In Restricted Working Space, Add	5.85	
For Silver Solder Instead Of 95/5 Solder, Add	3.04	
22 11 16 00-0390 EA 3/8" Straight Copper Tee	30.95	19.51
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.39	
For Work In Restricted Working Space, Add	8.78	
For Silver Solder Instead Of 95/5 Solder, Add	4.47	
22 11 16 00-0391 EA 1/2" Straight Copper Tee	41.20	27.15
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.09	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.10	
For Work In Restricted Working Space, Add	12.19	
For Silver Solder Instead Of 95/5 Solder, Add	6.12	
22 11 16 00-0392 EA 3/4" Straight Copper Tee	51.77	33.66
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.56	
For Work In Restricted Working Space, Add	15.12	
For Silver Solder Instead Of 95/5 Solder, Add	7.63	
22 11 16 00-0393 EA 1" Straight Copper Tee	64.36	40.16
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.23	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.02	
For Work In Restricted Working Space, Add	18.05	
For Silver Solder Instead Of 95/5 Solder, Add	9.23	
22 11 16 00-0394 EA 1-1/4" Straight Copper Tee	71.42	43.41
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.82	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.76	
For Work In Restricted Working Space, Add	19.51	
For Silver Solder Instead Of 95/5 Solder, Add	10.08	
22 11 16 00-0395 EA 1-1/2" Straight Copper Tee	79.59	47.15
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.52	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.61	
For Work In Restricted Working Space, Add	21.22	
For Silver Solder Instead Of 95/5 Solder, Add	11.05	
22 11 16 00-0396 EA 2" Straight Copper Tee	93.48	53.17
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.95	
For Work In Restricted Working Space, Add	23.90	
For Silver Solder Instead Of 95/5 Solder, Add	12.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0397 EA 2-1/2" Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	108.70 -9.48 12.12 24.25 13.52	53.88
22 11 16 00-0398 EA 3" Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	139.81 -11.85 14.59 29.18 16.72	64.88
22 11 16 00-0399 EA 4" Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	238.94 -18.76 20.43 40.86 25.57	90.85
22 11 16 00-0400 EA 5" Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	506.24 -34.63 27.95 55.91 43.95	124.30
22 11 16 00-0401 EA 6" Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	710.54 -49.18 40.97 81.95 62.84	182.23
22 11 16 00-0402 EA 8" Straight Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1,303.57 -83.36 54.56 109.11 101.55	242.62
22 11 16 00-0403 EA 1/2" Drop Ear Brass Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.71 -4.17 6.10 12.19 6.20	27.15
22 11 16 00-0404 Reducing Copper Tees (22 11 16 00-0354)		
22 11 16 00-0405 EA 3/8" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	29.34 -2.77 3.90 7.81 4.07	17.32
22 11 16 00-0406 EA 1/2" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.49 -3.80 5.49 10.98 5.63	24.38
22 11 16 00-0407 EA 3/4" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	48.47 -4.78 7.07 14.15 7.14	31.46
22 11 16 00-0408 EA 1" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	61.10 -5.90 8.54 17.07 8.75	37.97
22 11 16 00-0409 EA 1-1/4" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	68.00 -6.49 9.27 18.54 9.58	41.22
22 11 16 00-0410 EA 1-1/2" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	74.08 -7.08 10.12 20.24 10.45	45.03
22 11 16 00-0411 EA 2" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	86.02 -8.08 11.34 22.68 11.86	50.40
22 11 16 00-0412 EA 2-1/2" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	110.31 -9.41 11.67 23.35 13.30	51.94
22 11 16 00-0413 EA 3" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	125.57 -10.77 13.47 26.94 15.26	59.87
22 11 16 00-0414 Copper Couplings (22 11 16 00-0354)		

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0415	EA		1/4" Copper Coupling.....	13.26	8.70
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.31	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.95	
			<i>For Work In Restricted Working Space, Add</i>	3.90	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.96	
22 11 16 00-0416	EA		3/8" Copper Coupling.....	19.83	13.01
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.97	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.93	
			<i>For Work In Restricted Working Space, Add</i>	5.85	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.94	
22 11 16 00-0417	EA		1/2" Copper Coupling.....	27.15	17.88
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.02	
			<i>For Work In Restricted Working Space, Add</i>	8.05	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.04	
22 11 16 00-0418	EA		3/4" Copper Coupling.....	33.83	22.27
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.36	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.02	
22 11 16 00-0419	EA		1" Copper Coupling.....	40.86	26.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.98	
			<i>For Work In Restricted Working Space, Add</i>	11.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.03	
22 11 16 00-0420	EA		1-1/4" Copper Coupling.....	44.88	28.77
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.40	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.46	
			<i>For Work In Restricted Working Space, Add</i>	12.93	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.55	
22 11 16 00-0421	EA		1-1/2" Copper Coupling.....	49.51	31.46
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.07	
			<i>For Work In Restricted Working Space, Add</i>	14.15	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.19	
22 11 16 00-0422	EA		2" Copper Coupling.....	56.77	34.96
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.93	
			<i>For Work In Restricted Working Space, Add</i>	15.86	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.12	
22 11 16 00-0423	EA		2-1/2" Copper Coupling.....	59.23	33.98
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.51	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.63	
			<i>For Work In Restricted Working Space, Add</i>	15.27	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.05	
22 11 16 00-0424	EA		3" Copper Coupling.....	73.89	41.16
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.20	
			<i>For Work In Restricted Working Space, Add</i>	18.41	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.83	
22 11 16 00-0425	EA		4" Copper Coupling.....	107.36	55.38
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.35	
			<i>For Work In Restricted Working Space, Add</i>	24.69	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.60	
22 11 16 00-0426	EA		5" Copper Coupling.....	170.79	101.03
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-14.15	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.84	
			<i>For Work In Restricted Working Space, Add</i>	33.68	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.76	
22 11 16 00-0427	EA		6" Copper Coupling.....	256.30	109.78
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-21.05	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.70	
			<i>For Work In Restricted Working Space, Add</i>	49.39	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	29.28	
22 11 16 00-0428	EA		8" Copper Coupling.....	383.42	145.55
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-30.10	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	32.78	
			<i>For Work In Restricted Working Space, Add</i>	65.56	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	41.02	
22 11 16 00-0429			Reducing Copper Couplings (22 11 16 00-0354)		
22 11 16 00-0430	EA		3/8" Reducing Copper Coupling.....	16.99	10.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.44	
			<i>For Work In Restricted Working Space, Add</i>	4.88	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.48	
22 11 16 00-0431	EA		1/2" Reducing Copper Coupling.....	23.77	15.44
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.48	
			<i>For Work In Restricted Working Space, Add</i>	6.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0432 EA 3/4" Reducing Copper Coupling	30.99	20.08
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.05	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.51	
For Work In Restricted Working Space, Add	9.02	
For Silver Solder Instead Of 95/5 Solder, Add	4.56	
22 11 16 00-0433 EA 1" Reducing Copper Coupling	38.04	24.38
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.73	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.49	
For Work In Restricted Working Space, Add	10.98	
For Silver Solder Instead Of 95/5 Solder, Add	5.56	
22 11 16 00-0434 EA 1-1/4" Reducing Copper Coupling	43.97	27.64
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.22	
For Work In Restricted Working Space, Add	12.44	
For Silver Solder Instead Of 95/5 Solder, Add	6.34	
22 11 16 00-0435 EA 1-1/2" Reducing Copper Coupling	48.43	30.08
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.77	
For Work In Restricted Working Space, Add	13.53	
For Silver Solder Instead Of 95/5 Solder, Add	6.93	
22 11 16 00-0436 EA 2" Reducing Copper Coupling	56.21	33.33
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.50	
For Work In Restricted Working Space, Add	15.00	
For Silver Solder Instead Of 95/5 Solder, Add	7.81	
22 11 16 00-0437 EA 2-1/2" Reducing Copper Coupling	63.88	34.20
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.69	
For Work In Restricted Working Space, Add	15.38	
For Silver Solder Instead Of 95/5 Solder, Add	8.32	
22 11 16 00-0438 EA 3" Reducing Copper Coupling	75.26	39.67
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.87	
For Work In Restricted Working Space, Add	17.74	
For Silver Solder Instead Of 95/5 Solder, Add	9.68	
22 11 16 00-0439 EA 4" Reducing Copper Coupling	109.52	51.94
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.67	
For Work In Restricted Working Space, Add	23.35	
For Silver Solder Instead Of 95/5 Solder, Add	13.26	
22 11 16 00-0440 EA 5" Reducing Copper Coupling	175.15	72.36
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.18	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.28	
For Work In Restricted Working Space, Add	32.55	
For Silver Solder Instead Of 95/5 Solder, Add	19.61	
22 11 16 00-0441 EA 6" Reducing Copper Coupling	259.57	97.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-20.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.89	
For Work In Restricted Working Space, Add	43.78	
For Silver Solder Instead Of 95/5 Solder, Add	27.57	
22 11 16 00-0442 EA 8" Reducing Copper Coupling	399.65	141.76
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-30.61	
For Brazed Fittings Instead Of 95/5 Solder, Add	31.88	
For Work In Restricted Working Space, Add	63.76	
For Silver Solder Instead Of 95/5 Solder, Add	41.24	
22 11 16 00-0443 Male Copper Adapters (22 11 16 00-0354)		
22 11 16 00-0444 EA 1/4" Male Copper Adapter	18.69	10.57
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-1.75	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.44	
For Work In Restricted Working Space, Add	4.88	
For Silver Solder Instead Of 95/5 Solder, Add	2.56	
22 11 16 00-0445 EA 3/8" Male Copper Adapter	21.22	13.01
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	2.93	
For Work In Restricted Working Space, Add	5.85	
For Silver Solder Instead Of 95/5 Solder, Add	3.01	
22 11 16 00-0446 EA 1/2" Male Copper Adapter	25.08	16.26
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.47	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.66	
For Work In Restricted Working Space, Add	7.31	
For Silver Solder Instead Of 95/5 Solder, Add	3.69	
22 11 16 00-0447 EA 3/4" Male Copper Adapter	31.23	20.33
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.51	
For Work In Restricted Working Space, Add	9.02	
For Silver Solder Instead Of 95/5 Solder, Add	4.57	
22 11 16 00-0448 EA 1" Male Copper Adapter	37.97	23.58
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.24	
For Work In Restricted Working Space, Add	10.49	
For Silver Solder Instead Of 95/5 Solder, Add	5.39	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0449	EA		1-1/4" Male Copper Adapter	45.07	26.83
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.29	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.10	
			<i>For Work In Restricted Working Space, Add</i>	12.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.32	
22 11 16 00-0450	EA		1-1/2" Male Copper Adapter	51.42	30.89
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.89	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.95	
			<i>For Work In Restricted Working Space, Add</i>	13.90	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.21	
22 11 16 00-0451	EA		2" Male Copper Adapter.....	67.96	39.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.37	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.90	
			<i>For Work In Restricted Working Space, Add</i>	17.81	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.33	
22 11 16 00-0452	EA		2-1/2" Male Copper Adapter	103.90	51.22
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.46	
			<i>For Work In Restricted Working Space, Add</i>	22.93	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.84	
22 11 16 00-0453			Female Copper Adapters (22 11 16 00-0354)		
22 11 16 00-0454	EA		3/8" Female Copper Adapter	21.81	13.01
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.07	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.93	
			<i>For Work In Restricted Working Space, Add</i>	5.85	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.04	
22 11 16 00-0455	EA		1/2" Female Copper Adapter	25.47	16.26
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.49	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	7.31	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.71	
22 11 16 00-0456	EA		3/4" Female Copper Adapter	31.58	20.33
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.51	
			<i>For Work In Restricted Working Space, Add</i>	9.02	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.59	
22 11 16 00-0457	EA		1" Female Copper Adapter	38.45	23.58
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.24	
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.42	
22 11 16 00-0458	EA		1-1/4" Female Copper Adapter	45.72	26.83
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.32	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.10	
			<i>For Work In Restricted Working Space, Add</i>	12.19	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.35	
22 11 16 00-0459	EA		1-1/2" Female Copper Adapter	54.31	30.89
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.95	
			<i>For Work In Restricted Working Space, Add</i>	13.90	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.35	
22 11 16 00-0460	EA		2" Female Copper Adapter	70.16	39.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.48	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.90	
			<i>For Work In Restricted Working Space, Add</i>	17.81	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.44	
22 11 16 00-0461	EA		2-1/2" Female Copper Adapter	103.13	47.15
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.67	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.55	
			<i>For Work In Restricted Working Space, Add</i>	21.11	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.19	
22 11 16 00-0462	EA		3" Female Copper Adapter	148.94	68.28
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.27	
			<i>For Work In Restricted Working Space, Add</i>	30.53	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.62	
22 11 16 00-0463			Copper To Copper Unions (22 11 16 00-0354)		
22 11 16 00-0464	EA		1/4" Or 3/8" Copper To Copper Union	28.44	15.69
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.54	
			<i>For Work In Restricted Working Space, Add</i>	7.07	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.78	
22 11 16 00-0465	EA		1/2" Copper To Copper Union.....	32.58	19.51
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.09	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.39	
			<i>For Work In Restricted Working Space, Add</i>	8.78	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.56	
22 11 16 00-0466	EA		3/4" Copper To Copper Union.....	37.67	22.27
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.00	
			<i>For Work In Restricted Working Space, Add</i>	10.00	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.22	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0467	EA		1" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.40 -4.36 5.98 11.95 6.35	26.58
22 11 16 00-0468	EA		1-1/4" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	56.17 -5.00 6.59 13.17 7.20	29.27
22 11 16 00-0469	EA		1-1/2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	66.54 -5.77 7.32 14.63 8.21	32.52
22 11 16 00-0470	EA		2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	88.40 -7.35 8.78 17.56 10.27	39.02
22 11 16 00-0471	EA		2-1/2" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	142.56 -10.35 9.65 19.31 13.56	42.96
22 11 16 00-0472	EA		3" Copper To Copper Union <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	293.52 -19.24 13.70 27.39 23.81	60.92
22 11 16 00-0473 Copper Caps <small>(22 11 16 00-0354)</small>					
22 11 16 00-0474	EA		1/4" Or 3/8" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.45 -0.33 0.46 0.92 0.48	2.05
22 11 16 00-0475	EA		1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.69 -0.36 0.52 1.04 0.53	2.34
22 11 16 00-0476	EA		3/4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.75 -0.45 0.65 1.30 0.67	2.92
22 11 16 00-0477	EA		1" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.50 -0.60 0.82 1.65 0.87	3.70
22 11 16 00-0478	EA		1-1/4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.94 -0.82 1.13 2.26 1.20	5.07
22 11 16 00-0479	EA		1-1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.92 -0.99 1.33 2.65 1.43	5.97
22 11 16 00-0480	EA		2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.50 -2.16 2.95 5.90 3.14	13.29
22 11 16 00-0481	EA		2-1/2" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.18 -3.61 4.49 8.98 5.10	20.21
22 11 16 00-0482	EA		3" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	56.06 -4.77 5.89 11.79 6.73	26.52
22 11 16 00-0483	EA		4" Copper Cap <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	78.42 -6.26 7.02 14.03 8.60	31.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0484 EA 6" Copper Cap	222.74	56.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.47	
For Work In Restricted Working Space, Add	24.94	
For Silver Solder Instead Of 95/5 Solder, Add	19.45	
22 11 16 00-0485 EA 8" Copper Cap	379.37	80.82
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.96	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.96	
For Work In Restricted Working Space, Add	35.92	
For Silver Solder Instead Of 95/5 Solder, Add	30.94	
22 11 16 00-0486 Copper Crosses (22 11 16 00-0354)		
22 11 16 00-0487 EA 1/2" Copper Cross	63.20	39.96
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.98	
For Work In Restricted Working Space, Add	17.96	
For Silver Solder Instead Of 95/5 Solder, Add	9.15	
22 11 16 00-0488 EA 3/4" Copper Cross	70.06	42.44
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.54	
For Work In Restricted Working Space, Add	19.08	
For Silver Solder Instead Of 95/5 Solder, Add	9.86	
22 11 16 00-0489 EA 1" Copper Cross	85.79	49.92
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	11.23	
For Work In Restricted Working Space, Add	22.45	
For Silver Solder Instead Of 95/5 Solder, Add	11.77	
22 11 16 00-0490 EA 1-1/4" Copper Cross	95.77	53.88
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.83	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.12	
For Work In Restricted Working Space, Add	24.25	
For Silver Solder Instead Of 95/5 Solder, Add	12.87	
22 11 16 00-0491 EA 1-1/2" Copper Cross	116.05	62.41
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.48	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.03	
For Work In Restricted Working Space, Add	28.07	
For Silver Solder Instead Of 95/5 Solder, Add	15.16	
22 11 16 00-0492 EA 2" Copper Cross	150.47	72.36
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.95	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.28	
For Work In Restricted Working Space, Add	32.55	
For Silver Solder Instead Of 95/5 Solder, Add	18.37	
22 11 16 00-0493 EA 2-1/2" Copper Cross	264.98	122.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-22.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.50	
For Work In Restricted Working Space, Add	55.01	
For Silver Solder Instead Of 95/5 Solder, Add	31.58	
22 11 16 00-0494 EA 3" Copper Cross	347.47	144.74
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.22	
For Brazed Fittings Instead Of 95/5 Solder, Add	32.55	
For Work In Restricted Working Space, Add	65.11	
For Silver Solder Instead Of 95/5 Solder, Add	39.08	
22 11 16 00-0495 EA 4" Copper Cross	666.39	169.73
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-46.04	
For Brazed Fittings Instead Of 95/5 Solder, Add	38.17	
For Work In Restricted Working Space, Add	76.33	
For Silver Solder Instead Of 95/5 Solder, Add	58.76	
22 11 16 00-0496 EA 5" Copper Cross	1,611.18	213.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-96.27	
For Brazed Fittings Instead Of 95/5 Solder, Add	47.15	
For Work In Restricted Working Space, Add	94.29	
For Silver Solder Instead Of 95/5 Solder, Add	111.99	
22 11 16 00-0497 EA 6" Copper Cross	1,793.11	249.58
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-108.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	56.13	
For Work In Restricted Working Space, Add	112.25	
For Silver Solder Instead Of 95/5 Solder, Add	127.07	
22 11 16 00-0498 Crimped Copper Fittings (22 11 16 00-0285)		
Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0499 Crimped Copper 90 Degree Elbows (22 11 16 00-0498)		
22 11 16 00-0500 EA 1/2" Crimped Copper 90 Degree Elbow	15.25	9.76
22 11 16 00-0501 EA 3/4" Crimped Copper 90 Degree Elbow	17.71	11.14
22 11 16 00-0502 EA 1" Crimped Copper 90 Degree Elbow	22.02	13.25
22 11 16 00-0503 EA 1-1/4" Crimped Copper 90 Degree Elbow	26.21	14.63
22 11 16 00-0504 EA 1-1/2" Crimped Copper 90 Degree Elbow	32.45	16.26
22 11 16 00-0505 EA 2" Crimped Copper 90 Degree Elbow	40.49	19.51
22 11 16 00-0506 EA 2-1/2" Crimped Copper 90 Degree Elbow	66.73	22.76
22 11 16 00-0507 EA 3" Crimped Copper 90 Degree Elbow	81.65	27.07
22 11 16 00-0508 EA 4" Crimped Copper 90 Degree Elbow	104.38	35.77



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0509				Crimped Copper 45 Degree Elbows (22 11 16 00-0498)		
			EA	1/2" Crimped Copper 45 Degree Elbow.....	15.35	9.76
			EA	3/4" Crimped Copper 45 Degree Elbow.....	17.55	11.14
			EA	1" Crimped Copper 45 Degree Elbow.....	22.77	13.25
			EA	1-1/4" Crimped Copper 45 Degree Elbow.....	26.05	14.63
			EA	1-1/2" Crimped Copper 45 Degree Elbow.....	31.03	16.26
			EA	2" Crimped Copper 45 Degree Elbow.....	38.57	19.51
			EA	2-1/2" Crimped Copper 45 Degree Elbow.....	55.67	22.76
			EA	3" Crimped Copper 45 Degree Elbow.....	71.40	27.07
			EA	4" Crimped Copper 45 Degree Elbow.....	96.37	35.77
22 11 16 00-0519				Crimped Copper Straight Tees (22 11 16 00-0498)		
			EA	1/2" Crimped Copper Straight Tee.....	22.90	14.63
			EA	3/4" Crimped Copper Straight Tee.....	30.54	19.27
			EA	1" Crimped Copper Straight Tee.....	35.14	21.38
			EA	1-1/4" Crimped Copper Straight Tee.....	38.03	21.95
			EA	1-1/2" Crimped Copper Straight Tee.....	47.33	24.96
			EA	2" Crimped Copper Straight Tee.....	56.18	29.27
			EA	2-1/2" Crimped Copper Straight Tee.....	91.49	34.14
			EA	3" Crimped Copper Straight Tee.....	111.31	40.64
			EA	4" Crimped Copper Straight Tee.....	151.11	53.65
22 11 16 00-0529				Crimped Copper Reducing Tees (22 11 16 00-0498)		
			EA	3/4" Crimped Copper Reducing Tee.....	23.48	13.90
			EA	1" Crimped Copper Reducing Tee.....	31.99	18.29
			EA	1-1/4" Crimped Copper Reducing Tee.....	35.17	20.33
			EA	1-1/2" Crimped Copper Reducing Tee.....	40.12	20.89
			EA	2" Crimped Copper Reducing Tee.....	46.69	23.66
			EA	2-1/2" Crimped Copper Reducing Tee.....	87.94	26.83
			EA	3" Crimped Copper Reducing Tee.....	106.69	32.52
			EA	4" Crimped Copper Reducing Tee.....	130.93	43.33
22 11 16 00-0538				Crimped Copper Couplings (22 11 16 00-0498)		
			EA	1/2" Crimped Copper Coupling.....	15.19	9.76
			EA	3/4" Crimped Copper Coupling.....	17.51	11.14
			EA	1" Crimped Copper Coupling.....	21.63	13.25
			EA	1-1/4" Crimped Copper Coupling.....	24.08	14.63
			EA	1-1/2" Crimped Copper Coupling.....	28.35	16.26
			EA	2" Crimped Copper Coupling.....	34.34	19.51
			EA	2-1/2" Crimped Copper Coupling.....	50.37	22.76
			EA	3" Crimped Copper Coupling.....	61.31	27.07
			EA	4" Crimped Copper Coupling.....	82.36	35.77
22 11 16 00-0548				Crimped Copper Reducing Couplings (22 11 16 00-0498)		
			EA	3/4" Crimped Copper Reducing Coupling.....	16.45	9.27
			EA	1" Crimped Copper Reducing Coupling.....	18.78	10.57
			EA	1-1/4" Crimped Copper Reducing Coupling.....	23.19	12.60
			EA	1-1/2" Crimped Copper Reducing Coupling.....	27.14	13.90
			EA	2" Crimped Copper Reducing Coupling.....	30.21	15.44
			EA	2-1/2" Crimped Copper FTG x C Reducing Coupling.....	46.82	18.45
			EA	3" Crimped Copper FTG x C Reducing Coupling.....	56.98	21.71
			EA	4" Crimped Copper FTG x C Reducing Coupling.....	74.65	28.69
22 11 16 00-0557				Crimped Copper Male Adapters (22 11 16 00-0498)		
			EA	1/2" Crimped Copper Male Adapter.....	15.31	9.76
			EA	3/4" Crimped Copper Male Adapter.....	17.90	11.14
			EA	1" Crimped Copper Male Adapter.....	22.19	13.25
			EA	1-1/4" Crimped Copper Male Adapter.....	26.94	14.63
			EA	1-1/2" Crimped Copper Male Adapter.....	31.38	16.26
			EA	2" Crimped Copper Male Adapter.....	42.75	19.51
			EA	2-1/2" Crimped Copper Male Adapter.....	66.73	22.76
			EA	3" Crimped Copper Male Adapter.....	81.65	27.07
			EA	4" Crimped Copper Male Adapter.....	101.12	35.77
22 11 16 00-0567				Crimped Copper Female Adapters (22 11 16 00-0498)		
			EA	1/2" Crimped Copper Female Adapter.....	15.46	9.76
			EA	3/4" Crimped Copper Female Adapter.....	18.01	11.14
			EA	1" Crimped Copper Female Adapter.....	22.39	13.25
			EA	1-1/4" Crimped Copper Female Adapter.....	27.56	14.63
			EA	1-1/2" Crimped Copper Female Adapter.....	32.54	16.26
			EA	2" Crimped Copper Female Adapter.....	43.12	19.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0574 Crimped Copper Caps (22 11 16 00-0498)		
22 11 16 00-0575 EA 1/2" Crimped Copper Cap.....	8.52	4.87
22 11 16 00-0576 EA 3/4" Crimped Copper Cap.....	10.57	5.69
22 11 16 00-0577 EA 1" Crimped Copper Cap.....	12.89	6.50
22 11 16 00-0578 EA 1-1/4" Crimped Copper Cap.....	14.51	7.32
22 11 16 00-0579 EA 1-1/2" Crimped Copper Cap.....	18.09	8.38
22 11 16 00-0580 EA 2" Crimped Copper Cap.....	21.30	9.76
22 11 16 00-0581 EA 2-1/2" Crimped Copper Cap.....	38.39	11.38
22 11 16 00-0582 EA 3" Crimped Copper Cap.....	47.30	13.57
22 11 16 00-0583 EA 4" Crimped Copper Cap.....	62.77	17.88
22 11 16 00-0584 C x F NPT Crimped Bronze Unions (22 11 16 00-0498)		
22 11 16 00-0585 EA 1/2" C x F NPT Crimped Bronze Union.....	23.43	13.25
22 11 16 00-0586 EA 3/4" C x F NPT Crimped Bronze Union.....	28.98	16.34
22 11 16 00-0587 EA 1" C x F NPT Crimped Bronze Union.....	36.85	19.59
22 11 16 00-0588 EA 1-1/4" C x F NPT Crimped Bronze Union.....	43.46	22.60
22 11 16 00-0589 EA 1-1/2" C x F NPT Crimped Bronze Union.....	48.07	22.11
22 11 16 00-0590 EA 2" C x F NPT Crimped Bronze Union.....	67.71	32.03
22 11 16 00-0591 C x C Crimped Bronze Unions (22 11 16 00-0498)		
22 11 16 00-0592 EA 1/2" C x C Bronze Crimped Union.....	19.02	9.76
22 11 16 00-0593 EA 3/4" C x C Bronze Crimped Union.....	22.41	11.14
22 11 16 00-0594 EA 1" C x C Bronze Crimped Union.....	29.10	13.25
22 11 16 00-0595 EA 1-1/4" C x C Bronze Crimped Union.....	35.07	14.63
22 11 16 00-0596 EA 1-1/2" C x C Bronze Crimped Union.....	42.20	16.26
22 11 16 00-0597 EA 2" C x C Bronze Crimped Union.....	58.38	19.51
22 11 16 00-0598 C x Flange Crimped Bronze Flange (22 11 16 00-0498)		
22 11 16 00-0599 EA 2-1/2" C x Flange Crimped Bronze Flange.....	96.46	22.76
22 11 16 00-0600 EA 3" C x Flange Crimped Bronze Flange.....	107.72	27.07
22 11 16 00-0601 EA 4" C x Flange Crimped Bronze Flange.....	128.74	35.77
22 11 16 00-0602 Field Installed FKM Seals (22 11 16 00-0498)		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0603 EA 1/2" Field Installed FKM Seal.....	4.00	
Note: To be used in conjunction with fittings.		
22 11 16 00-0604 EA 3/4" Field Installed FKM Seal.....	4.81	
Note: To be used in conjunction with fittings.		
22 11 16 00-0605 EA 1" Field Installed FKM Seal.....	5.49	
Note: To be used in conjunction with fittings.		
22 11 16 00-0606 EA 1-1/4" Field Installed FKM Seal.....	6.24	
Note: To be used in conjunction with fittings.		
22 11 16 00-0607 EA 1-1/2" Field Installed FKM Seal.....	7.71	
Note: To be used in conjunction with fittings.		
22 11 16 00-0608 EA 2" Field Installed FKM Seal.....	8.81	
Note: To be used in conjunction with fittings.		
22 11 16 00-0609 EA 2-1/2" Field Installed FKM Seal.....	11.38	
Note: To be used in conjunction with fittings.		
22 11 16 00-0610 EA 3" Field Installed FKM Seal.....	13.33	
Note: To be used in conjunction with fittings.		
22 11 16 00-0611 EA 4" Field Installed FKM Seal.....	17.84	
Note: To be used in conjunction with fittings.		
22 11 16 00-0612 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0285)		
22 11 16 00-0613 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	8.12	
22 11 16 00-0614 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	8.78	
22 11 16 00-0615 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	9.88	
22 11 16 00-0616 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	10.37	
22 11 16 00-0617 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	10.97	
22 11 16 00-0618 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	12.07	
22 11 16 00-0619 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	13.01	
22 11 16 00-0620 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	15.36	
22 11 16 00-0621 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	20.73	
22 11 16 00-0622 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	29.63	
22 11 16 00-0623 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	39.51	
22 11 16 00-0624 Sweat Brass Companion Flanges (22 11 16 00-0285)		
22 11 16 00-0625 EA 1" Sweat Brass Companion Flange.....	30.15	12.50
22 11 16 00-0626 EA 1-1/4" Sweat Brass Companion Flange.....	33.00	13.77
22 11 16 00-0627 EA 1-1/2" Sweat Brass Companion Flange.....	43.16	14.97
22 11 16 00-0628 EA 2" Sweat Brass Companion Flange.....	54.80	16.61
22 11 16 00-0629 EA 2-1/2" Sweat Brass Companion Flange.....	68.38	19.98
22 11 16 00-0630 EA 3" Sweat Brass Companion Flange.....	79.07	26.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0631 EA 4" Sweat Brass Companion Flange	102.28	31.21
22 11 16 00-0632 EA 5" Sweat Brass Companion Flange	194.93	37.82
22 11 16 00-0633 EA 6" Sweat Brass Companion Flange	240.44	54.96
22 11 16 00-0634 EA 8" Copper Companion Flange	485.92	78.39
22 11 16 00-0635 Brass Compression Fittings (22 11 16 00-0285)		
22 11 16 00-0636 Brass Compression Unions (22 11 16 00-0635)		
22 11 16 00-0637 EA 1/4" Brass Compression Union	13.89	8.78
22 11 16 00-0638 EA 3/8" Brass Compression Union	14.09	8.78
22 11 16 00-0639 EA 1/2" Brass Compression Union	14.70	8.78
22 11 16 00-0640 EA 5/8" Brass Compression Union	14.99	8.78
22 11 16 00-0641 EA 3/4" Brass Compression Union	17.39	8.78
22 11 16 00-0642 EA 3/8" x 1/4" Brass Compression Union	14.23	8.78
22 11 16 00-0643 EA 1/2" x 3/8" Brass Compression Union	14.75	8.78
22 11 16 00-0644 EA 5/8" x 3/8" Brass Compression Union	15.11	8.78
22 11 16 00-0645 EA 5/8" x 1/2" Brass Compression Union	15.69	8.78
22 11 16 00-0646 Brass Compression Union Elbows (22 11 16 00-0635)		
22 11 16 00-0647 EA 1/4" Brass Compression Union Elbow	14.70	8.78
22 11 16 00-0648 EA 3/8" Brass Compression Union Elbow	15.03	8.78
22 11 16 00-0649 EA 1/2" Brass Compression Union Elbow	15.75	8.78
22 11 16 00-0650 EA 5/8" Brass Compression Union Elbow	16.87	8.78
22 11 16 00-0651 EA 3/4" Brass Compression Union Elbow	21.23	8.78
22 11 16 00-0652 EA 3/8" x 1/4" Brass Compression Union Elbow	15.03	8.78
22 11 16 00-0653 EA 1/2" x 3/8" Brass Compression Union Elbow	15.75	8.78
22 11 16 00-0654 EA 5/8" x 3/8" Brass Compression Union Elbow	15.95	8.78
22 11 16 00-0655 EA 5/8" x 1/2" Brass Compression Union Elbow	19.23	8.78
22 11 16 00-0656 Brass Compression Union Tees (22 11 16 00-0635)		
22 11 16 00-0657 EA 1/4" Brass Compression Union Tee	14.95	8.78
22 11 16 00-0658 EA 3/8" Brass Compression Union Tee	15.63	8.78
22 11 16 00-0659 EA 1/2" Brass Compression Union Tee	16.35	8.78
22 11 16 00-0660 EA 5/8" Brass Compression Union Tee	18.63	8.78
22 11 16 00-0661 EA 3/4" Brass Compression Union Tee	26.51	8.78
22 11 16 00-0662 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee	16.11	8.78
22 11 16 00-0663 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee	19.81	8.78
22 11 16 00-0664 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee	19.45	8.78
22 11 16 00-0665 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee	19.87	8.78
22 11 16 00-0666 Brass Compression Male Connectors (22 11 16 00-0635)		
22 11 16 00-0667 EA 1/4" Brass Compression Male Connector	13.75	8.78
22 11 16 00-0668 EA 3/8" Brass Compression Male Connector	14.01	8.78
22 11 16 00-0669 EA 1/2" Brass Compression Male Connector	14.47	8.78
22 11 16 00-0670 EA 5/8" Brass Compression Male Connector	15.15	8.78
22 11 16 00-0671 EA 3/4" Brass Compression Male Connector	16.12	8.70
22 11 16 00-0672 Brass Compression Female Connectors (22 11 16 00-0635)		
22 11 16 00-0673 EA 1/4" Brass Compression Female Connector	14.04	8.78
22 11 16 00-0674 EA 3/8" Brass Compression Female Connector	14.38	8.78
22 11 16 00-0675 EA 1/2" Brass Compression Female Connector	14.96	8.78
22 11 16 00-0676 EA 5/8" Brass Compression Female Connector	15.35	8.78
22 11 16 00-0677 EA 3/4" Brass Compression Female Connector	19.02	8.62
22 11 16 00-0678 Dielectric Fittings (22 11 16 00-0285)		
22 11 16 00-0679 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0680 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union	35.04	19.51
22 11 16 00-0681 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union	39.10	22.27
22 11 16 00-0682 EA 1" Copper x Female Iron Pipe Thread Dielectric Union	46.71	24.47
22 11 16 00-0683 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	56.88	26.94
22 11 16 00-0684 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	69.04	29.94
22 11 16 00-0685 EA 2" Copper x Female Iron Pipe Thread Dielectric Union	87.90	35.92
22 11 16 00-0686 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0687 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	38.69	19.51
22 11 16 00-0688 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	45.11	22.27
22 11 16 00-0689 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union	54.63	24.47
22 11 16 00-0690 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	67.39	26.94
22 11 16 00-0691 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	82.04	29.94
22 11 16 00-0692 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union	103.15	35.92



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0693			Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0678)		
22 11 16 00-0694	EA		1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	36.38	19.51
22 11 16 00-0695	EA		3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	41.30	22.27
22 11 16 00-0696	EA		1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	47.29	24.47
22 11 16 00-0697	EA		1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	54.85	26.94
22 11 16 00-0698	EA		1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	67.03	29.94
22 11 16 00-0699	EA		2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	86.28	35.92
22 11 16 00-0700			Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0678)		
22 11 16 00-0701	EA		2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	213.50	92.35
22 11 16 00-0702	EA		3" Copper x Female Iron Pipe Thread Dielectric Flange.....	267.22	116.30
22 11 16 00-0703	EA		4" Copper x Female Iron Pipe Thread Dielectric Flange.....	377.34	158.27
22 11 16 00-0704			Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0678)		
22 11 16 00-0705	EA		2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	215.01	92.35
22 11 16 00-0706	EA		3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	279.18	116.30
22 11 16 00-0707	EA		4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	515.30	158.27
22 11 16 00-0708			Brass Push-Fit Fittings (22 11 16)		
22 11 16 00-0709	EA		1/4" x 1/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	16.26	8.12
22 11 16 00-0710	EA		3/8" x 3/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	19.70	8.68
22 11 16 00-0711	EA		1/2" x 1/2" Brass Push-Fit Coupling..... Note: (Sharkbite)	20.68	9.76
22 11 16 00-0712	EA		5/8" x 5/8" Brass Push-Fit Coupling..... Note: (Sharkbite)	23.52	10.41
22 11 16 00-0713	EA		3/4" x 3/4" Brass Push-Fit Coupling..... Note: (Sharkbite)	24.14	11.12
22 11 16 00-0714	EA		1" x 1" Brass Push-Fit Coupling..... Note: (Sharkbite)	33.13	13.28
22 11 16 00-0715	EA		1/2" x 3/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	20.19	9.21
22 11 16 00-0716	EA		3/4" x 5/8" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	23.17	10.08
22 11 16 00-0717	EA		1" x 3/4" Brass Push-Fit Reducing Coupling..... Note: (Sharkbite)	33.54	12.19
22 11 16 00-0718	EA		1/4" x 1/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	16.85	8.12
22 11 16 00-0719	EA		3/8" x 3/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	22.20	8.68
22 11 16 00-0720	EA		1/2" x 1/2" Brass Push-Fit Elbow..... Note: (Sharkbite)	21.00	9.76
22 11 16 00-0721	EA		5/8" x 5/8" Brass Push-Fit Elbow..... Note: (Sharkbite)	24.98	10.41
22 11 16 00-0722	EA		3/4" x 3/4" Brass Push-Fit Elbow..... Note: (Sharkbite)	23.72	11.12
22 11 16 00-0723	EA		1" x 1" Brass Push-Fit Elbow..... Note: (Sharkbite)	33.45	13.28
22 11 16 00-0724	EA		1/2" x 3/8" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	19.92	9.21
22 11 16 00-0725	EA		3/4" x 1/2" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	22.13	10.08
22 11 16 00-0726	EA		1" x 3/4" Brass Push-Fit Reducing Elbow..... Note: (Sharkbite)	40.71	12.19
22 11 16 00-0727	EA		1/4" x 1/4" x 1/4" Brass Push-Fit Tee..... Note: (Sharkbite)	25.51	12.19
22 11 16 00-0728	EA		3/8" x 3/8" x 3/8" Brass Push-Fit Tee..... Note: (Sharkbite)	31.48	13.01
22 11 16 00-0729	EA		1/2" x 1/2" x 1/2" Brass Push-Fit Tee..... Note: (Sharkbite)	29.76	14.63
22 11 16 00-0730	EA		5/8" x 5/8" x 5/8" Brass Push-Fit Tee..... Note: (Sharkbite)	36.85	15.61
22 11 16 00-0731	EA		3/4" x 3/4" x 3/4" Brass Push-Fit Tee..... Note: (Sharkbite)	34.58	16.66
22 11 16 00-0732	EA		1" x 1" x 1" Brass Push-Fit Tee..... Note: (Sharkbite)	46.28	19.91
22 11 16 00-0733	EA		1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	32.50	13.82
22 11 16 00-0734	EA		1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	32.74	14.09
22 11 16 00-0735	EA		3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	33.35	15.99
22 11 16 00-0736	EA		1" x 1" x 3/4" Brass Push-Fit Reducing Tee..... Note: (Sharkbite)	44.73	18.84
22 11 16 00-0737	EA		1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	19.10	8.94
22 11 16 00-0738	EA		3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	19.01	9.21



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0739	EA 1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	19.01	9.76
	22 11 16 00-0740	EA 3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	21.74	11.12
	22 11 16 00-0741	EA 1" x 1" Brass Push-Fit Pipe To FNPT Connector..... Note: (Sharkbite)	29.76	13.28
	22 11 16 00-0742	EA 1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	17.09	8.94
	22 11 16 00-0743	EA 3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	19.01	9.21
	22 11 16 00-0744	EA 1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	19.05	9.76
	22 11 16 00-0745	EA 3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	21.56	11.12
	22 11 16 00-0746	EA 5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	22.99	10.75
	22 11 16 00-0747	EA 1" x 3/4" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	27.33	12.19
	22 11 16 00-0748	EA 1" x 1" Brass Push-Fit Pipe To MNPT Connector..... Note: (Sharkbite)	30.13	13.28
	22 11 16 00-0749	EA 1/2" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	25.96	9.76
	22 11 16 00-0750	EA 3/4" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	30.25	11.12
	22 11 16 00-0751	EA 1" Brass Push-Fit Ball Valve..... Note: (Sharkbite)	39.49	13.28
	22 11 16 00-0752	EA 1/2" Brass Push-Fit Check Valve..... Note: (Sharkbite)	27.58	9.76
	22 11 16 00-0753	EA 3/4" Brass Push-Fit Check Valve..... Note: (Sharkbite)	32.98	11.12
	22 11 16 00-0754	EA 1" Brass Push-Fit Check Valve..... Note: (Sharkbite)	53.68	13.28
	22 11 16 00-0755	Copper Pipe Assemblies ^(22 11 16) Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
	22 11 16 00-0756	LF 1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.02 <i>For Type M Tubing Instead Of Type L, Deduct</i> -0.86 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.05 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.42 <i>For Work In Restricted Working Space, Add</i> 3.82	15.64	2.28
	22 11 16 00-0757	LF 3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.25 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.04 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.36 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.64 <i>For Work In Restricted Working Space, Add</i> 4.32	18.30	2.93
	22 11 16 00-0758	LF 1" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.49 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.21 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.52 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.76 <i>For Work In Restricted Working Space, Add</i> 4.83	20.19	3.49
	22 11 16 00-0759	LF 1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 1.74 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.39 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.67 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -1.89 <i>For Work In Restricted Working Space, Add</i> 4.71 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.64	22.08	4.07
	22 11 16 00-0760	LF 1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> 2.04 <i>For Type M Tubing Instead Of Type L, Deduct</i> -1.61 <i>For Silver Solder Instead Of 95/5 Solder, Add</i> 2.90 <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> -2.07 <i>For Work In Restricted Working Space, Add</i> 5.02 <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i> -0.79	24.60	4.63

22 Plumbing
22 10 Plumbing Piping
22 11 Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0761	LF		2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	35.64 3.63 -2.74 3.71 -2.75 5.78 -1.64	5.77
22 11 16 00-0762	LF		2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	43.29 4.77 -3.54 4.23 -3.20 6.20 -2.26	6.96
22 11 16 00-0763	LF		3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	50.50 5.80 -4.27 4.76 -3.64 6.71 -2.81	8.08
22 11 16 00-0764	LF		4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	73.99 9.02 -6.57 6.59 -5.15 8.68 -4.51	10.70
22 11 16 00-0765	LF		5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	162.34 23.32 -16.51 11.83 -9.97 11.14 -12.52	13.32
22 11 16 00-0766	LF		6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	201.00 28.72 -20.35 14.76 -12.41 14.14 -15.39	16.09
22 11 16 00-0767	LF		8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. For Type K Tubing Instead Of Type L, Add For Type M Tubing Instead Of Type L, Deduct For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Work In Restricted Working Space, Add For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	355.48 54.12 -37.97 23.63 -20.70 17.58 -29.69	19.23
22 11 16 00-0768			Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16) Note: Socket weld.		
22 11 16 00-0769			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0768)		
22 11 16 00-0770			Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0769)		
22 11 16 00-0771	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	4.09 0.89	1.20
22 11 16 00-0772	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	4.65 0.94	1.26
22 11 16 00-0773	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	5.60 1.01	1.35
22 11 16 00-0774	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	6.76 1.11	1.47
22 11 16 00-0775	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	7.80 1.23	1.63
22 11 16 00-0776	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	9.68 1.37	1.82
22 11 16 00-0777	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe For Work In Restricted Working Space, Add	13.04 1.56	2.08



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0778	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	16.61 1.84	2.46
	22 11 16 00-0779	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	22.92 2.26	3.01
	22 11 16 00-0780	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	39.35 2.88	3.83
	22 11 16 00-0781	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	56.47 3.77	5.03
22 11 16 00-0782	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0782)					
	22 11 16 00-0783	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	15.95 4.27	5.69
	22 11 16 00-0784	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	20.64 5.39	7.18
	22 11 16 00-0785	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	26.76 6.76	8.98
	22 11 16 00-0786	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	36.31 8.44	11.22
	22 11 16 00-0787	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	40.36 9.34	12.42
	22 11 16 00-0788	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	47.16 10.42	12.42
	22 11 16 00-0789	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	71.91 11.86	15.79
	22 11 16 00-0790	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.90 14.01	18.71
	22 11 16 00-0791	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	116.18 17.24	22.98
	22 11 16 00-0792	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	146.62 21.91	29.19
	22 11 16 00-0793	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	275.87 28.74	38.32
22 11 16 00-0794	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0794)					
	22 11 16 00-0795	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	16.81 4.27	5.69
	22 11 16 00-0796	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	21.68 5.39	7.18
	22 11 16 00-0797	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	28.44 6.76	8.98
	22 11 16 00-0798	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	38.52 8.44	11.22
	22 11 16 00-0799	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	43.04 9.34	12.42
	22 11 16 00-0800	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	48.07 10.42	13.92
	22 11 16 00-0801	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	72.49 11.86	15.79
	22 11 16 00-0802	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	81.82 14.01	18.71
	22 11 16 00-0803	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	105.66 17.24	22.98
	22 11 16 00-0804	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.34 21.91	29.19
	22 11 16 00-0805	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	289.84 28.74	38.32
22 11 16 00-0806	Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0789)					
	22 11 16 00-0807	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	24.46 6.40	8.53
	22 11 16 00-0808	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	31.95 8.08	10.78
	22 11 16 00-0809	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	39.98 10.15	13.55
	22 11 16 00-0810	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	55.19 12.66	16.91
	22 11 16 00-0811	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	61.58 14.01	18.71
	22 11 16 00-0812	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	74.28 15.63	20.80
	22 11 16 00-0813	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	95.73 17.78	23.72
	22 11 16 00-0814	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	109.72 21.02	27.99
	22 11 16 00-0815	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	133.07 25.86	34.50
	22 11 16 00-0816	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	201.13 32.87	43.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0817 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee..... <i>For Work In Restricted Working Space, Add</i>	405.85 43.11	57.48
22 11 16 00-0818 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0769)		
22 11 16 00-0819 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	31.14 8.53	11.37
22 11 16 00-0820 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	40.23 10.78	14.36
22 11 16 00-0821 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	50.37 13.52	18.04
22 11 16 00-0822 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	67.47 16.88	22.52
22 11 16 00-0823 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	75.08 18.68	24.92
22 11 16 00-0824 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	88.57 20.84	27.76
22 11 16 00-0825 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	110.43 23.71	31.58
22 11 16 00-0826 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	127.56 28.02	37.34
22 11 16 00-0827 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	155.31 34.49	45.95
22 11 16 00-0828 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	224.94 43.82	58.44
22 11 16 00-0829 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	417.39 57.47	76.63
22 11 16 00-0830 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0769)		
22 11 16 00-0831 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	14.21 3.95	5.24
22 11 16 00-0832 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	19.75 5.32	7.11
22 11 16 00-0833 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	32.40 6.96	9.28
22 11 16 00-0834 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	36.53 7.70	10.25
22 11 16 00-0835 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	42.93 8.60	11.45
22 11 16 00-0836 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	46.89 9.79	13.02
22 11 16 00-0837 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	56.80 11.56	15.41
22 11 16 00-0838 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	76.70 14.23	18.94
22 11 16 00-0839 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	122.57 18.08	24.09
22 11 16 00-0840 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	266.54 23.71	31.58
22 11 16 00-0841 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0769)		
22 11 16 00-0842 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	16.12 2.81	3.74
22 11 16 00-0843 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	20.46 3.95	5.24
22 11 16 00-0844 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	25.55 5.32	7.11
22 11 16 00-0845 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	31.90 6.96	9.28
22 11 16 00-0846 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	37.27 7.70	10.25
22 11 16 00-0847 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	46.62 8.60	11.45
22 11 16 00-0848 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	70.99 9.79	13.02
22 11 16 00-0849 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	138.74 11.56	15.41
22 11 16 00-0850 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	205.36 14.23	18.94
22 11 16 00-0851 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0769)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0852	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	11.95 2.81	3.74
22 11 16 00-0853	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	16.68 3.95	5.24
22 11 16 00-0854	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	23.63 5.32	7.11
22 11 16 00-0855	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	31.90 6.96	9.28
22 11 16 00-0856	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	37.44 7.70	10.25
22 11 16 00-0857	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	44.58 8.60	11.45
22 11 16 00-0858	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	62.75 9.79	13.02
22 11 16 00-0859	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	74.96 11.56	15.41
22 11 16 00-0860	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	109.02 14.23	18.94
22 11 16 00-0861 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <small>(22 11 16 00-0769)</small>					
22 11 16 00-0862	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	12.93 2.81	3.74
22 11 16 00-0863	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	16.99 3.95	5.24
22 11 16 00-0864	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	23.72 5.32	7.11
22 11 16 00-0865	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	32.19 6.96	9.28
22 11 16 00-0866	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	36.12 7.70	10.25
22 11 16 00-0867	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	43.50 8.60	11.45
22 11 16 00-0868	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	63.37 9.79	13.02
22 11 16 00-0869	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	85.84 11.56	15.41
22 11 16 00-0870	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	127.51 14.23	18.94
22 11 16 00-0871 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0769)</small>					
22 11 16 00-0872	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	10.73 2.56	3.44
22 11 16 00-0873	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	15.09 3.59	4.78
22 11 16 00-0874	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	20.28 4.83	6.44
22 11 16 00-0875	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	27.35 6.33	8.46
22 11 16 00-0876	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	31.23 7.01	9.36
22 11 16 00-0877	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	35.19 7.81	10.41
22 11 16 00-0878	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	51.58 8.89	11.83
22 11 16 00-0879	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	57.18 10.51	13.99
22 11 16 00-0880	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	72.14 12.93	17.21
22 11 16 00-0881	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	112.07 16.43	21.93
22 11 16 00-0882	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	187.92 21.55	28.74
22 11 16 00-0883 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0769)</small>					
22 11 16 00-0884	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	19.64 3.08	4.12
22 11 16 00-0885	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	24.21 4.31	5.76
22 11 16 00-0886	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	29.47 5.79	7.71
22 11 16 00-0887	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	49.18 7.59	10.10
22 11 16 00-0888	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	52.31 8.40	11.22
22 11 16 00-0889	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	71.64 9.39	12.50
22 11 16 00-0890	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <i>For Work In Restricted Working Space, Add</i>	119.22 10.67	14.22



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0891 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	168.49 12.62	16.84
22 11 16 00-0892 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	266.65 15.51	20.66
22 11 16 00-0893 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	355.99 19.71	26.27
22 11 16 00-0894 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	440.81 25.86	34.50
22 11 16 00-0895 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps (22 11 16 00-0769)		
22 11 16 00-0896 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	6.32 0.85	1.12
22 11 16 00-0897 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	10.92 1.79	2.40
22 11 16 00-0898 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	18.37 2.90	3.89
22 11 16 00-0899 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	20.12 3.17	4.19
22 11 16 00-0900 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	21.42 3.50	4.64
22 11 16 00-0901 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	28.72 3.91	5.24
22 11 16 00-0902 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	43.09 4.45	5.91
22 11 16 00-0903 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	46.44 5.26	7.03
22 11 16 00-0904 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	70.34 6.47	8.60
22 11 16 00-0905 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	148.77 8.22	10.93
22 11 16 00-0906 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap <i>For Work In Restricted Working Space, Add</i>	191.78 10.78	14.36
22 11 16 00-0907 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges (22 11 16 00-0769)		
22 11 16 00-0908 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	15.20 2.04	2.69
22 11 16 00-0909 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	18.57 2.87	3.82
22 11 16 00-0910 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	22.88 3.86	5.17
22 11 16 00-0911 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	27.21 5.07	6.74
22 11 16 00-0912 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	29.25 5.61	7.48
22 11 16 00-0913 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	34.82 6.24	8.31
22 11 16 00-0914 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	45.60 7.12	9.51
22 11 16 00-0915 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	51.85 8.40	11.22
22 11 16 00-0916 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	64.74 10.35	13.77
22 11 16 00-0917 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	91.40 13.16	17.52
22 11 16 00-0918 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	164.72 17.24	22.98
22 11 19 Domestic Water Piping Specialties (22 11)		
22 11 19 00-0001 Rubber Hose And Clamps (22 11 19)		
22 11 19 00-0002 General Purpose Hose (22 11 19 00-0001)		
Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003 LF 3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.53	1.62
22 11 19 00-0004 LF 1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.60	1.62
22 11 19 00-0005 LF 5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.76	1.62
22 11 19 00-0006 LF 3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	7.72	1.62
22 11 19 00-0007 LF 1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.73	2.43
22 11 19 00-0008 LF 1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.97	2.43
22 11 19 00-0009 LF 1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.84	3.24
22 11 19 00-0010 Chemical Resistant Rubber Hoses (22 11 19 00-0001)		
22 11 19 00-0011 EA 50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,067.85	194.56
22 11 19 00-0012 EA 50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,512.54	194.56
22 11 19 00-0013 Water Pump Hose (22 11 19 00-0001)		
22 11 19 00-0014 EA 2" Inside Diameter, 20' Rubber Discharge Hose.....	180.73	49.51



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0015	EA	2" Inside Diameter, 20' Rubber Intake Hose.....	187.05	49.51
22 11 19 00-0016		Serrated Shank Nipple (22 11 19 00-0001)		
		Note: For use as medium pressure coupling.		
22 11 19 00-0017	EA	3/8" Inside Diameter Hose x 1/2" Male Pipe Thread Serrated Shank Nipple.....	17.65	4.05
22 11 19 00-0018	EA	1/2" Inside Diameter Hose x 5/8" Male Pipe Thread Serrated Shank Nipple.....	17.56	4.05
22 11 19 00-0019	EA	5/8" Inside Diameter Hose x 3/4" Male Pipe Thread Serrated Shank Nipple.....	17.56	4.05
22 11 19 00-0020	EA	3/4" Inside Diameter Hose x 1" Male Pipe Thread Serrated Shank Nipple.....	22.27	5.67
22 11 19 00-0021	EA	1" Inside Diameter Hose x 1-1/4" Male Pipe Thread Serrated Shank Nipple.....	23.43	5.67
22 11 19 00-0022	EA	1-1/4" Inside Diameter Hose x 1-1/2" Male Pipe Thread Serrated Shank Nipple.....	44.15	10.54
22 11 19 00-0023	EA	1-1/2" Inside Diameter Hose x 2" Male Pipe Thread Serrated Shank Nipple.....	54.78	12.97
22 11 19 00-0024		Worm-Drive Hose Clamp (22 11 19 00-0001)		
22 11 19 00-0025	EA	3/8" To 1" Diameter Worm Drive Hose Clamp.....	8.27	2.43
22 11 19 00-0026	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	8.75	2.43
22 11 19 00-0027	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	9.28	2.43
22 11 19 00-0028	EA	3/4" To 2" Diameter Worm Drive Hose Clamp.....	9.88	2.43
22 11 19 00-0029	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	10.57	2.43
22 11 19 00-0030	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	11.42	3.24
22 11 19 00-0031	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	12.34	3.24
22 11 19 00-0032		Trap Primer And Accessories (22 11 19)		
22 11 19 00-0033		Trap Primer (22 11 19 00-0032)		
22 11 19 00-0034	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	140.32	12.19
22 11 19 00-0035	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	86.90	8.12
22 11 19 00-0036	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	84.49	8.12
22 11 19 00-0037		Trap Primer Distribution Unit (22 11 19 00-0032)		
22 11 19 00-0038	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	85.00	16.26
		Note: Can be used for two, three or four drains.		
22 11 19 00-0039	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	91.49	16.26
		Note: Can be used for two, three or four drains.		
22 11 19 00-0040		Trap Primer Manifold (22 11 19 00-0032)		
22 11 19 00-0041	EA	Two Outlet Manifold.....	114.31	21.87
22 11 19 00-0042	EA	Four Outlet Manifold.....	167.64	24.88
22 11 19 00-0043	EA	Six Outlet Manifold.....	218.83	26.34
22 11 19 00-0044	EA	Eight Outlet Manifold.....	273.80	30.89
22 11 19 00-0045		Brass, Anti Siphon Vacuum Breakers (22 11 19)		
		Note: Watts 288A		
22 11 19 00-0046	EA	1/2" Brass, Anti Siphon Vacuum Breaker.....	61.19	20.33
22 11 19 00-0047	EA	3/4" Brass, Anti Siphon Vacuum Breaker.....	69.69	22.76
22 11 19 00-0048	EA	1" Brass, Anti Siphon Vacuum Breaker.....	126.11	26.02
22 11 19 00-0049	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker.....	191.50	30.08
22 11 19 00-0050	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker.....	228.09	33.33
22 11 19 00-0051	EA	2" Brass, Anti Siphon Vacuum Breaker.....	326.68	40.64
22 11 19 00-0052	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker.....	812.04	50.81
22 11 19 00-0053		Anti Siphon Pressure Vacuum Breakers (22 11 19)		
		Note: Watts 800M4QT		
22 11 19 00-0054	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker.....	148.23	20.33
22 11 19 00-0055	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker.....	133.44	22.76
22 11 19 00-0056	EA	1" Anti Siphon Pressure Type Vacuum Breaker.....	185.32	26.02
22 11 19 00-0057	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	321.75	30.08
22 11 19 00-0058	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	390.64	33.33
22 11 19 00-0059	EA	2" Anti Siphon Pressure Type Vacuum Breaker.....	399.49	40.64
22 11 19 00-0060		Bellows Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0061	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	128.75	9.73
22 11 19 00-0062	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	245.97	11.76
22 11 19 00-0063	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	356.24	11.76
22 11 19 00-0064	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	857.66	11.76
22 11 19 00-0065	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	965.07	11.76
22 11 19 00-0066	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	1,180.51	11.76



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0067		Piston Type Water Hammer Arrestors (22 11 19)		
22 11 19 00-0068		Threaded Piston Type Water Hammer Arrestors (22 11 19 00-0067)		
22 11 19 00-0069	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	77.38	5.42
22 11 19 00-0070	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	145.60	6.25
22 11 19 00-0071	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	214.55	6.78
22 11 19 00-0072	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	522.00	8.74
22 11 19 00-0073	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	635.92	10.84
22 11 19 00-0074	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	723.21	11.76
22 11 19 00-0075		Escutcheons (22 11 19)		
22 11 19 00-0076		Brass Escutcheons (22 11 19 00-0075)		
22 11 19 00-0077		Shallow Brass Escutcheons (22 11 19 00-0076)		
22 11 19 00-0078	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	9.93	2.03
22 11 19 00-0079	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	10.76	2.03
22 11 19 00-0080		Deep Bell Brass Escutcheons (22 11 19 00-0076)		
22 11 19 00-0081	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	11.84	2.28
22 11 19 00-0082	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	11.86	2.28
22 11 19 00-0083		Chrome Plated Brass Escutcheons With Setscrew (22 11 19 00-0076)		
22 11 19 00-0084	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	12.32	2.03
22 11 19 00-0085	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	12.44	2.03
22 11 19 00-0086	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	12.61	2.03
22 11 19 00-0087	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	13.23	2.03
22 11 19 00-0088	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	13.48	2.44
22 11 19 00-0089	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	14.08	2.44
22 11 19 00-0090	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	14.67	2.68
22 11 19 00-0091	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	15.39	2.85
22 11 19 00-0092	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew.....	21.61	3.25
22 11 19 00-0093		Plastic Escutcheons (22 11 19 00-0075)		
22 11 19 00-0094		Split-Ring White Plastic Escutcheons (22 11 19 00-0093)		
22 11 19 00-0095	EA	3/8" IPS, Split-Ring White Plastic Escutcheon.....	4.28	2.03
22 11 19 00-0096	EA	1/2" IPS, Split-Ring White Plastic Escutcheon.....	4.28	2.03
22 11 19 00-0097	EA	3/4" IPS, Split-Ring White Plastic Escutcheon.....	4.80	2.27
22 11 19 00-0098	EA	1" IPS, Split-Ring White Plastic Escutcheon.....	5.22	2.43
22 11 19 00-0099	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon.....	5.64	2.67
22 11 19 00-0100	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon.....	6.07	2.83
22 11 19 00-0101	EA	2" IPS, Split-Ring White Plastic Escutcheon.....	6.92	3.24
22 11 19 00-0102	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon.....	7.81	3.49
22 11 19 00-0103	EA	3" IPS, Split-Ring White Plastic Escutcheon.....	8.70	3.65
22 11 19 00-0104	EA	4" IPS, Split-Ring White Plastic Escutcheon.....	10.00	4.05
22 11 19 00-0105		Chrome Plate Plastic Escutcheons (22 11 19 00-0093)		
22 11 19 00-0106	EA	1/2" IPS, Chrome Plate Plastic Escutcheon.....	4.69	2.03
22 11 19 00-0107	EA	3/4" IPS, Chrome Plate Plastic Escutcheon.....	5.15	2.27
22 11 19 00-0108	EA	1" IPS, Chrome Plate Plastic Escutcheon.....	5.67	2.43
22 11 19 00-0109	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon.....	6.19	2.67
22 11 19 00-0110	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon.....	6.61	2.83
22 11 19 00-0111	EA	2" IPS, Chrome Plate Plastic Escutcheon.....	7.85	3.24
22 11 19 00-0112	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon.....	9.48	3.49
22 11 19 00-0113	EA	3" IPS, Chrome Plate Plastic Escutcheon.....	9.93	3.65
22 11 19 00-0114	EA	4" IPS, Chrome Plate Plastic Escutcheon.....	10.85	4.05
22 11 19 00-0115		Stainless Steel Escutcheons (22 11 19 00-0075)		
22 11 19 00-0116		Shallow Stainless Steel Escutcheons (22 11 19 00-0115)		
22 11 19 00-0117	EA	3/8" IPS, Shallow Stainless Steel Escutcheon.....	10.57	2.03
22 11 19 00-0118	EA	1/2" IPS, Shallow Stainless Steel Escutcheon.....	10.57	2.03
22 11 19 00-0119	EA	3/4" IPS, Shallow Stainless Steel Escutcheon.....	14.55	2.28
22 11 19 00-0120		Chrome Plated Steel Escutcheons (22 11 19 00-0075)		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0121				Split-Ring Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.40	2.03
			EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	4.81	2.27
			EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.28	2.43
			EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	5.68	2.67
			EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	6.09	2.83
			EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	7.01	3.24
			EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.79	3.49
			EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	10.38	3.65
			EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	12.45	3.89
			EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	11.36	4.05
			EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	14.25	4.46
			EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	16.43	4.86
22 11 19 00-0134				Split-Ring/Springs Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.39	2.03
			EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.39	2.03
			EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	6.88	2.27
			EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	7.51	2.43
			EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.19	2.67
			EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	8.70	2.83
			EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	10.26	3.24
			EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	11.65	3.49
			EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	13.92	3.65
			EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	16.77	3.89
			EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	17.09	4.05
			EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	27.03	4.46
			EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon.....	28.32	4.86
22 11 19 00-0148				Deep Bell Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.30	2.28
			EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.24	2.28
			EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.12	2.28
			EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	5.61	2.44
			EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.10	2.68
			EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon.....	6.67	2.85
22 11 19 00-0155				Shallow Chrome Plated Steel Escutcheons <small>(22 11 19 00-0120)</small>		
			EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.89	2.03
			EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.89	2.03
			EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	4.94	2.03
			EA	1" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.26	2.44
			EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon.....	5.71	2.68
			EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon.....	6.28	2.85
			EA	2" IPS, Shallow Chrome Plated Steel Escutcheon.....	7.13	3.25
22 11 19 00-0163				Wall Hydrants <small>(22 11 19)</small>		
				Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0164				Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0163)</small>		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
			EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	465.30	20.33
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
			EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	492.43	24.38
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
			EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	509.08	29.35
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
22 11 19 00-0168				Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants <small>(22 11 19 00-0163)</small>		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
			EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	481.99	34.14
				For Cast Bronze Box, Add	23.04	
				For 1" NPT Outlet, Add	54.31	
22 11 19 00-0170				Cast Bronze Non-Freezing Wall Hydrant <small>(22 11 19 00-0163)</small>		
				Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
			EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	265.95	25.20
				For 1" NPT Outlet, Add	54.31	
			EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	324.30	25.20
				For 1" NPT Outlet, Add	54.31	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0213				Thermostatic Mixing Valves (Leonard) <small>(22 11 19 00-0196)</small> Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0214	EA			3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	582.88	28.38
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0215	EA			1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	686.74	34.96
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0216	EA			1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	843.29	40.66
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0217	EA			1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,028.85	42.76
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0218	EA			2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	1,525.96	55.45
				Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0219				Water Mixing/Self Operating Temperature Regulator <small>(22 11 19 00-0196)</small> Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0220	EA			3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,259.03	40.64
22 11 19 00-0221	EA			1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,347.70	51.22
22 11 19 00-0222	EA			1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,494.35	61.79
22 11 19 00-0223	EA			1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	1,653.41	72.35
22 11 19 00-0224	EA			2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	1,948.25	95.11
22 11 19 00-0225	EA			2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator).....	2,273.11	108.43
22 11 19 00-0226				Backflow Preventer Valves <small>(22 11 19)</small>		
22 11 19 00-0227				Double Check Valve Backflow Preventer Assemblies <small>(22 11 19 00-0226)</small>		
22 11 19 00-0228				Threaded Double Check Valve Assemblies <small>(22 11 19 00-0227)</small>		
22 11 19 00-0229				Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0230	EA			1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	220.85	21.79
				<i>For Work In Restricted Working Space, Add</i>	16.34	
				<i>For Owner Furnished Material, Deduct</i>	-166.38	
22 11 19 00-0231	EA			3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	265.05	30.89
				<i>For Work In Restricted Working Space, Add</i>	23.17	
				<i>For Owner Furnished Material, Deduct</i>	-187.82	
22 11 19 00-0232	EA			1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	307.41	37.72
				<i>For Work In Restricted Working Space, Add</i>	28.29	
				<i>For Owner Furnished Material, Deduct</i>	-213.10	
22 11 19 00-0233	EA			1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	422.83	43.90
				<i>For Work In Restricted Working Space, Add</i>	32.93	
				<i>For Owner Furnished Material, Deduct</i>	-313.08	
22 11 19 00-0234	EA			1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	519.96	50.40
				<i>For Work In Restricted Working Space, Add</i>	37.56	
				<i>For Owner Furnished Material, Deduct</i>	-394.77	
22 11 19 00-0235	EA			2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	605.18	65.04
				<i>For Work In Restricted Working Space, Add</i>	48.78	
				<i>For Owner Furnished Material, Deduct</i>	-442.59	
22 11 19 00-0236				Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0237	EA			1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	268.45	21.79
				<i>For Work In Restricted Working Space, Add</i>	16.34	
				<i>For Owner Furnished Material, Deduct</i>	-213.98	
22 11 19 00-0238	EA			3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	334.78	30.89
				<i>For Work In Restricted Working Space, Add</i>	23.17	
				<i>For Owner Furnished Material, Deduct</i>	-257.55	
22 11 19 00-0239	EA			1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	392.89	37.72
				<i>For Work In Restricted Working Space, Add</i>	28.29	
				<i>For Owner Furnished Material, Deduct</i>	-298.58	
22 11 19 00-0240	EA			1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	544.63	43.90
				<i>For Work In Restricted Working Space, Add</i>	32.93	
				<i>For Owner Furnished Material, Deduct</i>	-434.88	
22 11 19 00-0241	EA			1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	663.42	50.40
				<i>For Work In Restricted Working Space, Add</i>	37.56	
				<i>For Owner Furnished Material, Deduct</i>	-538.23	
22 11 19 00-0242	EA			2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	803.24	65.04
				<i>For Work In Restricted Working Space, Add</i>	48.78	
				<i>For Owner Furnished Material, Deduct</i>	-640.65	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

22 11 19 00-0243	Flanged Double Check Valve Assemblies ^(22 11 19 00-0227)		
22 11 19 00-0244	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 NRS series).		
22 11 19 00-0245	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,677.58	179.61
	<i>For Work In Restricted Working Space, Add</i>	71.84	
	<i>For Owner Furnished Material, Deduct</i>	-1,438.10	
22 11 19 00-0246	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 007 NRS).....	1,845.15	202.06
	<i>For Work In Restricted Working Space, Add</i>	79.70	
	<i>For Owner Furnished Material, Deduct</i>	-1,579.48	
22 11 19 00-0247	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 007 OSY series).		
22 11 19 00-0248	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	1,823.76	179.61
	<i>For Work In Restricted Working Space, Add</i>	71.84	
	<i>For Owner Furnished Material, Deduct</i>	-1,584.28	
22 11 19 00-0249	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY).....	2,088.95	202.06
	<i>For Work In Restricted Working Space, Add</i>	79.70	
	<i>For Owner Furnished Material, Deduct</i>	-1,823.28	
22 11 19 00-0250	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 NRS series).		
22 11 19 00-0251	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,068.76	179.61
	<i>For Work In Restricted Working Space, Add</i>	71.84	
	<i>For Owner Furnished Material, Deduct</i>	-1,829.30	
22 11 19 00-0252	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,274.62	202.06
	<i>For Work In Restricted Working Space, Add</i>	79.70	
	<i>For Owner Furnished Material, Deduct</i>	-2,008.94	
22 11 19 00-0253	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	2,622.23	299.34
	<i>For Work In Restricted Working Space, Add</i>	119.67	
	<i>For Owner Furnished Material, Deduct</i>	-2,223.32	
22 11 19 00-0254	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	4,393.73	453.08
	<i>For Work In Restricted Working Space, Add</i>	245.54	
	<i>For Owner Furnished Material, Deduct</i>	-3,575.26	
22 11 19 00-0255	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	8,396.11	679.62
	<i>For Work In Restricted Working Space, Add</i>	368.37	
	<i>For Owner Furnished Material, Deduct</i>	-7,168.21	
22 11 19 00-0256	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 709 NRS series).....	11,001.57	803.85
	<i>For Work In Restricted Working Space, Add</i>	438.47	
	<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0257	Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer ^(22 11 19 00-0243) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0258	EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,271.05	179.61
	<i>For Work In Restricted Working Space, Add</i>	71.84	
	<i>For Owner Furnished Material, Deduct</i>	-2,031.59	
22 11 19 00-0259	EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	2,516.64	202.06
	<i>For Work In Restricted Working Space, Add</i>	79.70	
	<i>For Owner Furnished Material, Deduct</i>	-2,250.97	
22 11 19 00-0260	EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	3,160.35	299.34
	<i>For Work In Restricted Working Space, Add</i>	119.66	
	<i>For Owner Furnished Material, Deduct</i>	-2,761.48	
22 11 19 00-0261	EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	5,414.85	453.08
	<i>For Work In Restricted Working Space, Add</i>	245.54	
	<i>For Owner Furnished Material, Deduct</i>	-4,596.38	
22 11 19 00-0262	EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	10,116.21	679.62
	<i>For Work In Restricted Working Space, Add</i>	368.31	
	<i>For Owner Furnished Material, Deduct</i>	-8,888.50	
22 11 19 00-0263	EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts 709 NRS-S series).....	11,001.57	803.85
	<i>For Work In Restricted Working Space, Add</i>	438.47	
	<i>For Owner Furnished Material, Deduct</i>	-9,540.02	
22 11 19 00-0264	Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts 709 OSY series).		
22 11 19 00-0265	EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,195.89	179.61
	<i>For Work In Restricted Working Space, Add</i>	71.84	
	<i>For Owner Furnished Material, Deduct</i>	-1,956.43	
22 11 19 00-0266	EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,505.82	202.06
	<i>For Work In Restricted Working Space, Add</i>	79.70	
	<i>For Owner Furnished Material, Deduct</i>	-2,240.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0267	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	2,891.62	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,492.75	
22 11 19 00-0268	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	4,716.19	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-3,897.72	
22 11 19 00-0269	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	8,933.91	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-7,706.20	
22 11 19 00-0270	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 709 OSY series).....	12,076.46	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-10,614.91	
22 11 19 00-0271			Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0272	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series)	1,892.47	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,653.01	
22 11 19 00-0273	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,084.08	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,818.41	
22 11 19 00-0274	EA		4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	2,382.68	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-1,983.81	
22 11 19 00-0275	EA		6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	3,920.43	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-3,101.96	
22 11 19 00-0276	EA		8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	7,360.55	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-6,132.84	
22 11 19 00-0277	EA		10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY series).....	8,024.12	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-6,562.57	
22 11 19 00-0278			N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs ^(22 11 19 00-0243)		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0279	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series)	2,479.00	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,239.54	
22 11 19 00-0280	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	2,670.61	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,404.94	
22 11 19 00-0281	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY series).....	3,362.78	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,963.91	
22 11 19 00-0282	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	5,561.17	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-4,742.70	
22 11 19 00-0283	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	9,792.29	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-8,564.58	
22 11 19 00-0284	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY series).....	11,652.89	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-10,191.34	
22 11 19 00-0285			Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves ^(22 11 19 00-0243)		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0286	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,775.82	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-1,536.36	
22 11 19 00-0287	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	1,972.73	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-1,707.06	
22 11 19 00-0288	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	2,276.56	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-1,877.69	
22 11 19 00-0289	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	3,837.07	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-3,018.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0290 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	7,280.22	679.62
For Work In Restricted Working Space, Add	368.31	
For Owner Furnished Material, Deduct	-6,052.51	
22 11 19 00-0291 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	8,248.43	803.85
For Work In Restricted Working Space, Add	438.47	
For Owner Furnished Material, Deduct	-6,786.88	
22 11 19 00-0292 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0243)		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0293 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,313.16	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,073.70	
22 11 19 00-0294 EA 3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	2,504.77	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,239.10	
22 11 19 00-0295 EA 4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,197.15	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-2,798.28	
22 11 19 00-0296 EA 6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,384.75	453.08
For Work In Restricted Working Space, Add	245.54	
For Owner Furnished Material, Deduct	-4,566.28	
22 11 19 00-0297 EA 8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	9,525.26	679.62
For Work In Restricted Working Space, Add	368.31	
For Owner Furnished Material, Deduct	-8,297.55	
22 11 19 00-0298 EA 10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	11,385.08	803.85
For Work In Restricted Working Space, Add	438.47	
For Owner Furnished Material, Deduct	-9,923.53	
22 11 19 00-0299 Double Check Valve Assemblies With Butterfly Shut-Off Valves (22 11 19 00-0243)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0300 EA 2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,051.72	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,812.26	
22 11 19 00-0301 EA 3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,243.32	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-1,977.65	
22 11 19 00-0302 EA 4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,541.92	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-2,143.05	
22 11 19 00-0303 EA 6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,083.69	453.08
For Work In Restricted Working Space, Add	245.54	
For Owner Furnished Material, Deduct	-3,265.22	
22 11 19 00-0304 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,523.80	679.62
For Work In Restricted Working Space, Add	368.31	
For Owner Furnished Material, Deduct	-6,296.09	
22 11 19 00-0305 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs (22 11 19 00-0243)		
Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0306 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	2,638.24	179.61
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-2,398.78	
22 11 19 00-0307 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,829.85	202.06
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-2,564.18	
22 11 19 00-0308 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,522.02	299.34
For Work In Restricted Working Space, Add	119.66	
For Owner Furnished Material, Deduct	-3,123.15	
22 11 19 00-0309 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,724.46	453.08
For Work In Restricted Working Space, Add	245.54	
For Owner Furnished Material, Deduct	-4,905.99	
22 11 19 00-0310 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	7,523.80	679.62
For Work In Restricted Working Space, Add	368.31	
For Owner Furnished Material, Deduct	-6,296.09	
22 11 19 00-0311 Grooved Double Check Valve Assemblies (22 11 19 00-0227)		
22 11 19 00-0312 Double Check Valve Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0311)		
Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0313 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,775.82	95.79
For Work In Restricted Working Space, Add	71.84	
For Owner Furnished Material, Deduct	-1,536.36	
22 11 19 00-0314 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	1,972.73	106.27
For Work In Restricted Working Space, Add	79.70	
For Owner Furnished Material, Deduct	-1,707.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0315				N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0311)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0316	EA			2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,313.16	95.79
				<i>For Work In Restricted Working Space, Add</i>	71.84	
				<i>For Owner Furnished Material, Deduct</i>	-2,073.70	
22 11 19 00-0317	EA			3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	2,504.77	106.27
				<i>For Work In Restricted Working Space, Add</i>	79.70	
				<i>For Owner Furnished Material, Deduct</i>	-2,239.10	
22 11 19 00-0318				Reduced Pressure Zone Backflow Preventer Assemblies <small>(22 11 19 00-0226)</small>		
22 11 19 00-0319				Threaded Reduced Pressure Zone Assemblies <small>(22 11 19 00-0318)</small>		
22 11 19 00-0320				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0321	EA			1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	240.66	18.86
				<i>For Work In Restricted Working Space, Add</i>	14.15	
				<i>For Owner Furnished Material, Deduct</i>	-193.51	
22 11 19 00-0322	EA			3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	254.93	20.81
				<i>For Work In Restricted Working Space, Add</i>	15.61	
				<i>For Owner Furnished Material, Deduct</i>	-202.90	
22 11 19 00-0323	EA			1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	294.83	21.79
				<i>For Work In Restricted Working Space, Add</i>	16.34	
				<i>For Owner Furnished Material, Deduct</i>	-240.36	
22 11 19 00-0324	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	397.34	30.89
				<i>For Work In Restricted Working Space, Add</i>	23.17	
				<i>For Owner Furnished Material, Deduct</i>	-320.11	
22 11 19 00-0325	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	472.35	37.72
				<i>For Work In Restricted Working Space, Add</i>	28.29	
				<i>For Owner Furnished Material, Deduct</i>	-378.04	
22 11 19 00-0326	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	702.79	43.90
				<i>For Work In Restricted Working Space, Add</i>	32.93	
				<i>For Owner Furnished Material, Deduct</i>	-593.04	
22 11 19 00-0327	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	746.12	50.40
				<i>For Work In Restricted Working Space, Add</i>	37.56	
				<i>For Owner Furnished Material, Deduct</i>	-620.93	
22 11 19 00-0328	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	899.42	65.04
				<i>For Work In Restricted Working Space, Add</i>	48.78	
				<i>For Owner Furnished Material, Deduct</i>	-736.83	
22 11 19 00-0329				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0330	EA			1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	264.08	18.86
				<i>For Work In Restricted Working Space, Add</i>	14.15	
				<i>For Owner Furnished Material, Deduct</i>	-216.93	
22 11 19 00-0331	EA			3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	279.62	20.81
				<i>For Work In Restricted Working Space, Add</i>	15.61	
				<i>For Owner Furnished Material, Deduct</i>	-227.59	
22 11 19 00-0332	EA			1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	328.66	30.89
				<i>For Work In Restricted Working Space, Add</i>	16.34	
				<i>For Owner Furnished Material, Deduct</i>	-274.19	
22 11 19 00-0333	EA			3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	450.51	30.89
				<i>For Work In Restricted Working Space, Add</i>	23.17	
				<i>For Owner Furnished Material, Deduct</i>	-373.28	
22 11 19 00-0334	EA			1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	538.84	37.72
				<i>For Work In Restricted Working Space, Add</i>	28.29	
				<i>For Owner Furnished Material, Deduct</i>	-444.53	
22 11 19 00-0335	EA			1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	793.46	43.90
				<i>For Work In Restricted Working Space, Add</i>	32.93	
				<i>For Owner Furnished Material, Deduct</i>	-683.71	
22 11 19 00-0336	EA			1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	874.07	50.40
				<i>For Work In Restricted Working Space, Add</i>	37.56	
				<i>For Owner Furnished Material, Deduct</i>	-748.88	
22 11 19 00-0337	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,056.40	65.04
				<i>For Work In Restricted Working Space, Add</i>	48.78	
				<i>For Owner Furnished Material, Deduct</i>	-893.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0338 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0339 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	397.34	30.89
For Work In Restricted Working Space, Add	23.17	
For Owner Furnished Material, Deduct	-320.11	
22 11 19 00-0340 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	472.35	37.72
For Work In Restricted Working Space, Add	28.29	
For Owner Furnished Material, Deduct	-378.04	
22 11 19 00-0341 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	702.79	43.90
For Work In Restricted Working Space, Add	32.93	
For Owner Furnished Material, Deduct	-593.04	
22 11 19 00-0342 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	746.12	50.40
For Work In Restricted Working Space, Add	37.56	
For Owner Furnished Material, Deduct	-620.93	
22 11 19 00-0343 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	899.42	65.04
For Work In Restricted Working Space, Add	48.78	
For Owner Furnished Material, Deduct	-736.83	
22 11 19 00-0344 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0345 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	450.51	30.89
For Work In Restricted Working Space, Add	23.17	
For Owner Furnished Material, Deduct	-373.28	
22 11 19 00-0346 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	538.84	37.72
For Work In Restricted Working Space, Add	28.29	
For Owner Furnished Material, Deduct	-444.53	
22 11 19 00-0347 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	793.46	43.90
For Work In Restricted Working Space, Add	32.93	
For Owner Furnished Material, Deduct	-683.71	
22 11 19 00-0348 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	874.07	50.40
For Work In Restricted Working Space, Add	37.56	
For Owner Furnished Material, Deduct	-748.88	
22 11 19 00-0349 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,056.40	65.04
For Work In Restricted Working Space, Add	48.78	
For Owner Furnished Material, Deduct	-893.81	
22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0351 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	581.33	30.89
For Work In Restricted Working Space, Add	23.17	
For Owner Furnished Material, Deduct	-504.10	
22 11 19 00-0352 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909QT)	689.25	37.72
For Work In Restricted Working Space, Add	28.29	
For Owner Furnished Material, Deduct	-594.94	
22 11 19 00-0353 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,043.50	43.90
For Work In Restricted Working Space, Add	32.93	
For Owner Furnished Material, Deduct	-933.75	
22 11 19 00-0354 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,132.08	50.40
For Work In Restricted Working Space, Add	37.56	
For Owner Furnished Material, Deduct	-1,006.89	
22 11 19 00-0355 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	1,322.21	65.04
For Work In Restricted Working Space, Add	48.78	
For Owner Furnished Material, Deduct	-1,159.62	
22 11 19 00-0356 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer <small>(22 11 19 00-0319)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 909 QT-S series).		
22 11 19 00-0357 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	652.95	30.89
For Work In Restricted Working Space, Add	23.17	
For Owner Furnished Material, Deduct	-575.72	
22 11 19 00-0358 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909QT-S)	778.10	37.72
For Work In Restricted Working Space, Add	28.29	
For Owner Furnished Material, Deduct	-683.79	
22 11 19 00-0359 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,166.91	43.90
For Work In Restricted Working Space, Add	32.93	
For Owner Furnished Material, Deduct	-1,057.16	
22 11 19 00-0360 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S)	1,277.86	50.40
For Work In Restricted Working Space, Add	37.56	
For Owner Furnished Material, Deduct	-1,152.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0361	EA			2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 909M1QT-S) 1,527.22 <i>For Work In Restricted Working Space, Add</i> 48.78 <i>For Owner Furnished Material, Deduct</i> -1,364.63		65.04
22 11 19 00-0362				Flanged Reduced Pressure Zone Assemblies (22 11 19 00-0318)		
22 11 19 00-0363				Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs (22 11 19 00-0362) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 009 NRS series).		
22 11 19 00-0364	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... 1,999.43 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -1,759.95		179.61
22 11 19 00-0365	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 009 NRS series)..... 2,250.77 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -1,985.10		202.06
22 11 19 00-0366				Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer (22 11 19 00-0362) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 009 NRS-S series).		
22 11 19 00-0367	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) 2,219.99 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -1,980.51		179.61
22 11 19 00-0368	EA			3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 009 NRS-S series) 2,509.90 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -2,244.23		202.06
22 11 19 00-0369				Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs (22 11 19 00-0362) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 009 OSY series).		
22 11 19 00-0370	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series)..... 2,137.21 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -1,897.73		179.61
22 11 19 00-0371	EA			3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 009 OSY series) 2,480.55 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -2,214.88		202.06
22 11 19 00-0372				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0362) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts 009 QT-FDA series).		
22 11 19 00-0373	EA			2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... 2,510.62 <i>For Work In Restricted Working Space, Add</i> 71.84 <i>For Owner Furnished Material, Deduct</i> -2,271.14		179.61
22 11 19 00-0374	EA			3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts 009 QT-FDA series)..... 2,868.89 <i>For Work In Restricted Working Space, Add</i> 79.70 <i>For Owner Furnished Material, Deduct</i> -2,603.22		202.06
22 11 19 00-0375				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs (22 11 19 00-0362) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts FAE 909 QT series).		
22 11 19 00-0376	EA			1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... 961.76 <i>For Work In Restricted Working Space, Add</i> 44.90 <i>For Owner Furnished Material, Deduct</i> -812.09		112.25
22 11 19 00-0377	EA			1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... 1,068.32 <i>For Work In Restricted Working Space, Add</i> 52.76 <i>For Owner Furnished Material, Deduct</i> -892.46		130.97
22 11 19 00-0378	EA			2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts FAE 909 QT series)..... 1,264.33 <i>For Work In Restricted Working Space, Add</i> 61.74 <i>For Owner Furnished Material, Deduct</i> -1,058.53		153.42
22 11 19 00-0379				Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer (22 11 19 00-0362) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, iron body strainers, and captured spring assemblies (Watts FAE 909 QT-S series).		
22 11 19 00-0380	EA			1-1/4" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... 1,044.20 <i>For Work In Restricted Working Space, Add</i> 44.90 <i>For Owner Furnished Material, Deduct</i> -894.53		112.25
22 11 19 00-0381	EA			1-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... 1,333.43 <i>For Work In Restricted Working Space, Add</i> 52.76 <i>For Owner Furnished Material, Deduct</i> -1,157.57		130.97
22 11 19 00-0382	EA			2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs And Strainer (Watts FAE 909 QT-S series)..... 1,407.45 <i>For Work In Restricted Working Space, Add</i> 61.74 <i>For Owner Furnished Material, Deduct</i> -1,201.65		153.42



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0383			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts 909 NRS series).		
22 11 19 00-0384	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,489.64	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,250.18	
22 11 19 00-0385	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	2,806.63	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,540.95	
22 11 19 00-0386	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	3,485.50	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-3,086.59	
22 11 19 00-0387	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS series).....	6,060.89	453.08
			<i>For Work In Restricted Working Space, Add</i>	343.78	
			<i>For Owner Furnished Material, Deduct</i>	-4,914.97	
22 11 19 00-0388	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	10,326.53	679.62
			<i>For Work In Restricted Working Space, Add</i>	515.67	
			<i>For Owner Furnished Material, Deduct</i>	-8,607.64	
22 11 19 00-0389	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909M1 NRS series).....	12,901.88	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-11,440.33	
22 11 19 00-0390			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts 909 NRS-S series).		
22 11 19 00-0391	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	2,692.45	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,452.99	
22 11 19 00-0392	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	3,045.61	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,779.94	
22 11 19 00-0393	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	3,946.21	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-3,547.34	
22 11 19 00-0394	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	6,609.12	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-5,790.65	
22 11 19 00-0395	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	11,309.05	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-10,081.34	
22 11 19 00-0396	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts 909 NRS-S series).....	15,435.17	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-13,973.62	
22 11 19 00-0397			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts 909 OSY series).		
22 11 19 00-0398	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,573.18	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,333.72	
22 11 19 00-0399	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	2,981.00	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,715.32	
22 11 19 00-0400	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	3,584.44	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.67	
			<i>For Owner Furnished Material, Deduct</i>	-3,185.53	
22 11 19 00-0401	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	5,888.53	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-5,070.06	
22 11 19 00-0402	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	10,081.55	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-8,853.84	
22 11 19 00-0403	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY series).....	14,167.54	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-12,705.99	
22 11 19 00-0404			Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs <small>(22 11 19 00-0362)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 NRS BB series).		
22 11 19 00-0405	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series).....	4,173.29	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-3,933.81	
22 11 19 00-0406	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts 909 NRS BB series).....	4,707.78	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-4,442.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0407			Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs <small>(22 11 19 00-0362)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated bronze body gate valves, and captured spring assemblies (Watts 909 OSY BB series).		
22 11 19 00-0408	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	4,361.75	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-4,122.27	
22 11 19 00-0409	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts 909 OSY BB series).....	5,062.04	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-4,796.37	
22 11 19 00-0410			Double Check Detector Assemblies <small>(22 11 19 00-0226)</small>		
22 11 19 00-0411			Flanged Double Check Detector Assemblies With Meter <small>(22 11 19 00-0410)</small>		
22 11 19 00-0412			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0411)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0413	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,682.47	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-3,416.80	
22 11 19 00-0414	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	3,894.95	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-3,496.08	
22 11 19 00-0415	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	5,358.26	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-4,539.79	
22 11 19 00-0416	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	9,433.64	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-8,205.93	
22 11 19 00-0417	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	12,676.28	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-11,214.73	
22 11 19 00-0418			Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter <small>(22 11 19 00-0411)</small>		
			Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0419	EA		2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,770.77	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,531.29	
22 11 19 00-0420	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	2,962.18	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,696.51	
22 11 19 00-0421	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	3,264.69	299.34
			<i>For Work In Restricted Working Space, Add</i>	119.66	
			<i>For Owner Furnished Material, Deduct</i>	-2,865.82	
22 11 19 00-0422	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	4,539.71	453.08
			<i>For Work In Restricted Working Space, Add</i>	245.54	
			<i>For Owner Furnished Material, Deduct</i>	-3,721.24	
22 11 19 00-0423	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	7,954.18	679.62
			<i>For Work In Restricted Working Space, Add</i>	368.31	
			<i>For Owner Furnished Material, Deduct</i>	-6,726.47	
22 11 19 00-0424	EA		10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,384.44	803.85
			<i>For Work In Restricted Working Space, Add</i>	438.47	
			<i>For Owner Furnished Material, Deduct</i>	-7,922.89	
22 11 19 00-0425			Double Check Detector Assembly With Butterfly Valves And Meter <small>(22 11 19 00-0411)</small>		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0426	EA		2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	2,930.04	179.61
			<i>For Work In Restricted Working Space, Add</i>	71.84	
			<i>For Owner Furnished Material, Deduct</i>	-2,690.56	
22 11 19 00-0427	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	3,121.46	202.06
			<i>For Work In Restricted Working Space, Add</i>	79.70	
			<i>For Owner Furnished Material, Deduct</i>	-2,855.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0428 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,423.93 119.66 -3,025.06	299.34
22 11 19 00-0429 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,702.96 245.54 -3,884.49	453.08
22 11 19 00-0430 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series) <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,758.31 368.31 -6,530.60	679.62
22 11 19 00-0431 Flanged Double Check Detector Assemblies Without Meter (22 11 19 00-0410)		
22 11 19 00-0432 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter (22 11 19 00-0431) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0433 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,720.48 71.84	179.61
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0434 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	2,911.92 79.70	202.06
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0435 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,214.42 119.66	299.34
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0436 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,489.44 245.54	453.08
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0437 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,903.95 368.31	679.62
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0438 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,334.13 438.47	803.85
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0439 Double Check Detector Assembly With Butterfly Valves Less Meter (22 11 19 00- 0431) Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0440 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	2,879.74 71.84	179.61
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0441 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,071.16 79.70	202.06
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0442 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	3,373.66 119.66	299.34
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0443 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,652.66 245.54	453.08
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0444 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	8,067.20 368.31	679.62
<i>For Work In Restricted Working Space, Add</i>		
22 11 19 00-0445 Backflow Preventer Accessories (22 11 19 00-0226)		
22 11 19 00-0446 Air Gap (22 11 19 00-0445)		
22 11 19 00-0447 EA Up To 1" Diameter Air Gap For Backflow Preventer	64.60	10.16
22 11 19 00-0448 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer	79.27	12.19
22 11 19 00-0449 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer	144.25	16.26
22 11 19 00-0450 EA 4" To 6" Diameter Air Gap For Backflow Preventer	282.75	28.45
22 11 19 00-0451 EA 8" To 10" Diameter Air Gap For Backflow Preventer	307.15	40.64
22 11 19 00-0452 Brass Test Cocks (22 11 19 00-0445)		
22 11 19 00-0453 EA 1/8" Or 1/4" Brass Test Cock	21.26	4.07
22 11 19 00-0454 Backflow Valve Enclosures (22 11 19 00-0226)		
22 11 19 00-0455 Flip-Top, Insulated Fiberglass Valve Enclosures (22 11 19 00-0454) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0456 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	615.81 74.08	73.16
<i>For Heated Enclosure, Add</i>		
22 11 19 00-0457 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	754.00 94.81	73.16
<i>For Heated Enclosure, Add</i>		
22 11 19 00-0458 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	950.99 125.81	67.36
<i>For Heated Enclosure, Add</i>		
22 11 19 00-0459 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	992.02 126.35	89.80
<i>For Heated Enclosure, Add</i>		
22 11 19 00-0460 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,038.88 133.38	89.80
<i>For Heated Enclosure, Add</i>		
22 11 19 00-0461 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,221.53 160.78	89.80
<i>For Heated Enclosure, Add</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0462 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,226.34	89.80
<i>For Heated Enclosure, Add</i>	161.50	
22 11 19 00-0463 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,537.56	89.80
<i>For Heated Enclosure, Add</i>	208.18	
22 11 19 00-0464 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	3,527.82	134.70
<i>For Heated Enclosure, Add</i>	495.50	
22 11 19 00-0465 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	5,098.36	134.70
<i>For Heated Enclosure, Add</i>	731.08	
22 11 19 00-0466 EA 70" Length x 16" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	4,846.02	134.70
<i>For Heated Enclosure, Add</i>	693.23	
22 11 19 00-0467 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	5,833.92	157.15
<i>For Heated Enclosure, Add</i>	835.80	
22 11 19 00-0468 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures <small>(22 11 19 00-0454)</small>		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0469 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	332.93	19.51
<i>For Heated Enclosure, Add</i>	60.08	
22 11 19 00-0470 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	460.30	19.51
<i>For Heated Enclosure, Add</i>	85.56	
22 11 19 00-0471 EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	575.48	17.96
<i>For Heated Enclosure, Add</i>	109.11	
22 11 19 00-0472 EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	866.28	17.96
<i>For Heated Enclosure, Add</i>	167.27	
22 11 19 00-0473 EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,238.31	33.67
<i>For Heated Enclosure, Add</i>	436.44	
22 11 19 00-0474 EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,051.82	33.67
<i>For Heated Enclosure, Add</i>	599.14	
22 11 19 00-0475 EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,036.43	33.67
<i>For Heated Enclosure, Add</i>	396.06	
22 11 19 00-0476 EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	2,303.20	33.67
<i>For Heated Enclosure, Add</i>	449.41	
22 11 19 00-0477 EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure.....	3,597.36	33.67
<i>For Heated Enclosure, Add</i>	708.25	
22 11 19 00-0478 Sectional, Insulated Aluminum Valve Enclosures <small>(22 11 19 00-0454)</small>		
Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0479 EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,584.21	146.33
<i>For Heated Enclosure, Add</i>	651.05	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0480 EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,049.25	146.33
<i>For Heated Enclosure, Add</i>	720.80	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0481 EA 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	3,584.30	134.70
<i>For Heated Enclosure, Add</i>	503.97	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0482 EA 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure.....	3,927.96	134.70
<i>For Heated Enclosure, Add</i>	555.52	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0483 EA 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,575.98	179.61
<i>For Heated Enclosure, Add</i>	641.50	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0484 EA 102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,126.33	179.61
<i>For Heated Enclosure, Add</i>	724.05	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0485 EA 90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,126.33	179.61
<i>For Heated Enclosure, Add</i>	724.05	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0486 EA 102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,659.86	179.61
<i>For Heated Enclosure, Add</i>	804.08	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0487 EA 62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,254.97	157.15
<i>For Heated Enclosure, Add</i>	598.96	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0488 EA 62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure.....	4,980.93	179.61
<i>For Heated Enclosure, Add</i>	702.24	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	
22 11 19 00-0489 EA 105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure.....	5,813.67	179.61
<i>For Heated Enclosure, Add</i>	827.15	
<i>For One 24" Fluorescent Light Fixture, Add</i>	412.09	
<i>For Two 24" Fluorescent Light Fixture, Add</i>	737.42	

22	Plumbing
22 10	Plumbing Piping
22 11	Facility Water Distribution



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0490	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,380.33 909.34 412.09 737.42	190.83
22 11 19 00-0491	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,545.97 930.07 412.09 737.42	207.31
22 11 19 00-0492	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,253.63 1,033.17 412.09 737.42	219.50
22 11 19 00-0493	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,499.74 1,074.45 412.09 737.42	202.06
22 11 19 00-0494	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,453.17 773.07 412.09 737.42	179.61
22 11 19 00-0495	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	5,810.06 826.61 412.09 737.42	179.61
22 11 19 00-0496	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,571.39 938.00 412.09 737.42	190.83
22 11 19 00-0497	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	7,957.56 1,143.12 412.09 737.42	202.06
22 11 19 00-0498	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	6,949.38 991.89 412.09 737.42	89.80
22 11 19 00-0499	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,343.97 1,198.28 412.09 737.42	89.80
22 11 19 00-0500	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,068.80 1,157.00 412.09 737.42	134.70
22 11 19 00-0501	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,359.53 1,345.00 412.09 737.42	134.70
22 11 19 00-0502	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,637.86 1,239.55 412.09 737.42	134.70
22 11 19 00-0503	EA		172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,092.00 1,452.06 412.09 737.42	157.15
22 11 19 00-0504	EA		142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,129.42 1,452.06 412.09 737.42	134.70
22 11 19 00-0505	EA		172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,011.36 1,728.74 412.09 737.42	134.70
22 11 19 00-0506			Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0507			Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0506)</small>		
22 11 19 00-0508	EA		1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	39.58	8.12
22 11 19 00-0509	EA		3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	46.38	8.94
22 11 19 00-0510	EA		3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	13.89	6.10
22 11 19 00-0511			Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0506)</small>		
22 11 19 00-0512	EA		3/4" Hose Valve With Screwed Ends; Chicago Faucets #387-CP	99.33	24.88
22 11 19 00-0513			Antisiphon Freezeless Wall Faucet <small>(22 11 19 00-0506)</small>		
22 11 19 00-0514	EA		4" Long, 1/2" Antisiphon Freezeless Wall Faucet	96.46	20.33
22 11 19 00-0515	EA		6" Long, 1/2" Antisiphon Freezeless Wall Faucet	104.58	22.52
22 11 19 00-0516	EA		8" Long, 1/2" Antisiphon Freezeless Wall Faucet	110.66	23.82
22 11 19 00-0517	EA		10" Long, 1/2" Antisiphon Freezeless Wall Faucet	116.73	25.52
22 11 19 00-0518	EA		12" Long, 1/2" Antisiphon Freezeless Wall Faucet	122.89	27.07



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0519

Keyed, Recessed Valve Boxes (22 11 19)

22 11 19 00-0520	EA			8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	195.86	24.31
22 11 19 00-0521	EA			8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	216.89	24.31
22 11 19 00-0522	EA			8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	248.44	24.31
22 11 19 00-0523	EA			12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	243.61	32.42
22 11 19 00-0524	EA			12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	275.16	32.42
22 11 19 00-0525	EA			12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	284.62	32.42
22 11 19 00-0526	EA			8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	229.51	24.31
22 11 19 00-0527	EA			8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	275.79	24.31
22 11 19 00-0528	EA			8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	316.80	24.31
22 11 19 00-0529	EA			12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	302.50	32.42
22 11 19 00-0530	EA			12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	343.52	32.42
22 11 19 00-0531	EA			12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	359.30	32.42

22 11 23

Domestic Water Pumps (22 11)

22 11 23 13

Domestic Water Packaged Booster Pumps And Tanks (22 11 23)

Note: Includes motor starter and controls.

22 11 23 13-0001

Simplex Domestic Water Packaged Booster Pumps And Tank (22 11 23 13)

22 11 23 13-0002	EA			1 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,274.28	239.48
22 11 23 13-0003	EA			1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,536.20	321.79
22 11 23 13-0004	EA			2 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	4,826.17	404.12
22 11 23 13-0005	EA			3 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	5,102.11	486.43
22 11 23 13-0006	EA			5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	5,686.70	568.76
22 11 23 13-0007	EA			7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	6,341.42	651.07
22 11 23 13-0008	EA			10 HP Simplex Domestic Water Packaged Booster Pump And Tank.....	6,827.80	733.40

22 11 23 13-0009

Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0010	EA			100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	11,923.62	970.26
22 11 23 13-0011	EA			200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	14,185.90	1,030.90
22 11 23 13-0012	EA			300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	16,457.11	1,091.54

22 11 23 13-0013

Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator (22 11 23 13)

22 11 23 13-0014	EA			200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	15,381.87	1,030.90
22 11 23 13-0015	EA			300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	18,906.40	1,091.54
22 11 23 13-0016	EA			500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	23,315.89	1,212.83
22 11 23 13-0017	EA			750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	29,280.33	1,334.11
22 11 23 13-0018	EA			1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	35,244.75	1,455.39
22 11 23 13-0019	EA			1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	40,985.17	1,637.31
22 11 23 13-0020	EA			2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	46,725.58	1,819.24
22 11 23 13-0021	EA			3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	52,465.99	2,001.16
22 11 23 13-0022	EA			5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	58,358.00	2,243.72

22 11 23 39

In-Line Centrifugal Domestic Water Booster Pumps (22 11 23)

22 11 23 39-0001

Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)

Note: ODP motor.

22 11 23 39-0002	EA			1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	599.46	134.70
22 11 23 39-0003	EA			1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	613.22	134.70
22 11 23 39-0004	EA			1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	639.70	137.32
22 11 23 39-0005	EA			1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	700.05	142.93
22 11 23 39-0006	EA			1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	1,191.56	148.25
22 11 23 39-0007	EA			1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	1,265.27	148.25
22 11 23 39-0008	EA			1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	1,856.88	163.23
22 11 23 39-0009	EA			1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	1,941.68	179.33
22 11 23 39-0010	EA			1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	2,339.20	197.30
22 11 23 39-0011	EA			1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	2,399.90	217.14
22 11 23 39-0012	EA			3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	2,625.13	238.48
22 11 23 39-0013	EA			1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	3,715.51	262.45
22 11 23 39-0014	EA			1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	4,264.30	275.17

22 11 23 39-0015

Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 39)

Note: ODP motor.

22 11 23 39-0016	EA			1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	604.45	134.70
22 11 23 39-0017	EA			1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	951.73	134.70
22 11 23 39-0018	EA			1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	957.14	137.32
22 11 23 39-0019	EA			1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	974.28	140.31
22 11 23 39-0020	EA			1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	979.51	142.93
22 11 23 39-0021	EA			1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	999.70	148.25
22 11 23 39-0022	EA			1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	1,209.87	163.23
22 11 23 39-0023	EA			1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	1,552.60	197.30
22 11 23 39-0024	EA			1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	1,641.45	217.14
22 11 23 39-0025	EA			3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	1,906.68	238.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 39-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	2,533.57	262.45
22 11 23 39-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	2,942.49	275.17
22 11 23 39-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	2,773.10	289.02
22 11 23 39-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	2,985.20	317.70
22 11 23 39-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	3,279.67	336.94
22 11 23 39-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,115.50	374.38
22 11 23 39-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	4,395.77	449.33
22 11 23 39-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	5,578.78	524.36

22 12 Facility Potable-Water Storage Tanks (22 10)

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)

22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)

22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	20,194.87	7,047.74
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	21,748.48	7,047.74
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	36,943.17	10,876.17
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	47,754.99	14,095.50

22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)

22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	22,496.51	7,047.74
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	27,905.39	7,047.74
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	42,221.17	10,876.17
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	57,925.77	14,095.50

22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)

22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	1,968.98	299.34
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	2,179.91	374.18
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	4,603.15	411.59
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	5,092.85	449.01
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	6,746.55	486.43
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	8,807.58	523.85
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	9,909.92	561.27
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	14,017.80	598.68
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	15,233.52	636.10
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	18,181.78	673.52

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)

22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	1,669.01	299.34
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	2,682.79	374.18
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	4,126.08	411.59
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	4,131.43	449.01
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	4,325.32	449.01
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	5,445.82	486.43
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	5,927.50	523.85
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	5,582.31	523.85
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	6,335.46	523.85
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	6,980.70	561.27
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	9,470.30	598.68
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	11,016.80	636.10
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	13,848.76	673.52

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)

Note: Excludes excavation and backfill.

22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	412.60	168.38
For Saddle Assembly, Add	453.30	
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	483.01	196.45
For Saddle Assembly, Add	453.30	
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	569.93	224.51
For Saddle Assembly, Add	509.40	
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	686.55	252.57
For Saddle Assembly, Add	728.30	
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	815.27	280.64
For Two Tie Down Bands, Add	266.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Two Tie Down Bands, Add</i>	1,052.89 281.65	376.42
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Three Tie Down Bands, Add</i>	1,529.54 471.98	439.16
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Three Tie Down Bands, Add</i>	2,159.69 475.28	501.90
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	2,673.44 642.50	564.64
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	3,119.49 866.90	627.37
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	4,385.14 1,113.30	690.11
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	5,062.79 1,196.90	752.85
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Four Tie Down Bands, Add</i>	7,244.39 1,342.10	1,003.80
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank <i>For Five Tie Down Bands, Add</i>	9,266.09 2,079.12	1,003.80

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank	465.43	224.51
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank	549.05	238.54
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank	599.65	252.57
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank	717.37	280.64
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank	824.10	336.76
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank	971.54	392.89
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,333.59	501.90
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	1,718.69	627.37
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,277.59	752.85
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,939.89	878.32
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,221.49	1,003.80
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,632.89	1,129.27
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	6,376.59	1,254.75
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,025.69	1,380.22
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,064.19	1,505.70
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	9,083.98	1,631.17
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	11,148.78	1,756.65
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	13,375.37	2,007.60

22 13 Facility Sanitary Sewerage (22 10)

22 13 16 Sanitary Waste And Vent Piping (22 13)

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies (22 13 16)

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	21.28	4.71
<i>For Work In Restricted Working Space, Add</i>	3.46	
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	30.23	7.11
<i>For Work In Restricted Working Space, Add</i>	4.69	
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	39.20	9.06
<i>For Work In Restricted Working Space, Add</i>	6.04	
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	45.97	11.40
<i>For Work In Restricted Working Space, Add</i>	6.41	
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	53.69	12.42
<i>For Work In Restricted Working Space, Add</i>	7.13	
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	84.05	17.58
<i>For Work In Restricted Working Space, Add</i>	9.95	
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly	121.02	17.58
<i>For Work In Restricted Working Space, Add</i>	11.27	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	17.75	4.49
			<i>For Work In Restricted Working Space, Add</i>	3.75	
22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	18.90	4.78
			<i>For Work In Restricted Working Space, Add</i>	4.04	
22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	24.65	6.96
			<i>For Work In Restricted Working Space, Add</i>	5.19	
22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.45	9.06
			<i>For Work In Restricted Working Space, Add</i>	6.39	
22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.34	11.18
			<i>For Work In Restricted Working Space, Add</i>	10.67	
22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	55.35	12.21
			<i>For Work In Restricted Working Space, Add</i>	11.41	
22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	89.64	17.43
			<i>For Work In Restricted Working Space, Add</i>	18.15	
22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	91.89	19.81
			<i>For Work In Restricted Working Space, Add</i>	13.22	
22 13 16 00-0019			Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020			Bell And Spigot Cast Iron Pipe (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.93 3.28 0.36 2.14	4.71
22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	21.87 4.70 0.53 3.21	7.11
22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.15 6.11 0.68 4.08	9.06
22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.58 8.62 0.85 5.12	11.40
22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.59 10.50 0.93 5.58	12.42
22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.24 16.33 1.32 7.91	17.58
22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.39 27.18 1.48 8.90	19.81
22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.56 39.48 1.98 11.87	26.40
22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.87 57.71 2.37 14.24	31.67
22 13 16 00-0030			Bell And Spigot Cast Iron Fittings (22 13 16 00-0019)		
22 13 16 00-0031			Bell And Spigot Cast Iron Long Sweeps (22 13 16 00-0030)		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.39 12.32 1.61 9.65	21.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	111.90	27.02
			<i>For Extra Heavy Fittings, Add</i>	25.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	149.07	35.92
			<i>For Extra Heavy Fittings, Add</i>	33.33	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	232.64	48.23
			<i>For Extra Heavy Fittings, Add</i>	56.12	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	21.69	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	450.33	61.85
			<i>For Extra Heavy Fittings, Add</i>	125.17	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.64	
			<i>For Work In Restricted Working Space, Add</i>	27.81	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	613.60	76.10
			<i>For Extra Heavy Fittings, Add</i>	174.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.71	
			<i>For Work In Restricted Working Space, Add</i>	34.23	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	938.00	106.20
			<i>For Extra Heavy Fittings, Add</i>	272.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.96	
			<i>For Work In Restricted Working Space, Add</i>	47.78	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	1,727.90	147.89
			<i>For Extra Heavy Fittings, Add</i>	527.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.09	
			<i>For Work In Restricted Working Space, Add</i>	66.52	
22 13 16 00-0040	Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)				
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	58.10	21.48
			<i>For Extra Heavy Fittings, Add</i>	9.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	96.30	27.02
			<i>For Extra Heavy Fittings, Add</i>	19.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	131.53	35.92
			<i>For Extra Heavy Fittings, Add</i>	27.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	195.77	41.00
			<i>For Extra Heavy Fittings, Add</i>	47.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.07	
			<i>For Work In Restricted Working Space, Add</i>	18.43	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	235.98	48.23
			<i>For Extra Heavy Fittings, Add</i>	57.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.62	
			<i>For Work In Restricted Working Space, Add</i>	21.69	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	383.08	61.85
			<i>For Extra Heavy Fittings, Add</i>	101.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.64	
			<i>For Work In Restricted Working Space, Add</i>	27.81	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	556.23	76.10
			<i>For Extra Heavy Fittings, Add</i>	154.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.71	
			<i>For Work In Restricted Working Space, Add</i>	34.23	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	916.61	106.20
			<i>For Extra Heavy Fittings, Add</i>	265.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.96	
			<i>For Work In Restricted Working Space, Add</i>	47.78	
22 13 16 00-0049	Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)				
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	52.82	21.40
			<i>For Extra Heavy Fittings, Add</i>	7.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.64	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	77.51	24.09
			<i>For Extra Heavy Fittings, Add</i>	14.48	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.81	
			<i>For Work In Restricted Working Space, Add</i>	10.85	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	110.21	32.10
			<i>For Extra Heavy Fittings, Add</i>	21.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	14.44	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend.....	138.24	36.61
			<i>For Extra Heavy Fittings, Add</i>	29.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.74	
			<i>For Work In Restricted Working Space, Add</i>	16.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend	166.23	43.85
			<i>For Extra Heavy Fittings, Add</i>	35.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.29	
			<i>For Work In Restricted Working Space, Add</i>	19.73	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend	334.64	56.96
			<i>For Extra Heavy Fittings, Add</i>	87.24	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.27	
			<i>For Work In Restricted Working Space, Add</i>	25.61	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend	489.29	69.12
			<i>For Extra Heavy Fittings, Add</i>	134.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.18	
			<i>For Work In Restricted Working Space, Add</i>	31.09	
22 13 16 00-0057	EA		12" Bell And Spigot Cast Iron 1/4 Bend	642.36	81.58
			<i>For Extra Heavy Fittings, Add</i>	182.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.12	
			<i>For Work In Restricted Working Space, Add</i>	36.70	
22 13 16 00-0058	EA		15" Bell And Spigot Cast Iron 1/4 Bend	1,618.77	128.68
			<i>For Extra Heavy Fittings, Add</i>	499.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	57.87	
22 13 16 00-0059			Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0060	EA		2" Bell And Spigot Cast Iron 1/8 Bend	48.70	21.48
			<i>For Extra Heavy Fittings, Add</i>	5.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	9.65	
22 13 16 00-0061	EA		3" Bell And Spigot Cast Iron 1/8 Bend	74.55	27.02
			<i>For Extra Heavy Fittings, Add</i>	11.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0062	EA		4" Bell And Spigot Cast Iron 1/8 Bend	105.58	35.92
			<i>For Extra Heavy Fittings, Add</i>	18.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0063	EA		5" Bell And Spigot Cast Iron 1/8 Bend	133.91	45.81
			<i>For Extra Heavy Fittings, Add</i>	22.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	20.60	
22 13 16 00-0064	EA		6" Bell And Spigot Cast Iron 1/8 Bend	154.31	51.08
			<i>For Extra Heavy Fittings, Add</i>	27.19	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.83	
			<i>For Work In Restricted Working Space, Add</i>	22.99	
22 13 16 00-0065	EA		8" Bell And Spigot Cast Iron 1/8 Bend	296.68	68.23
			<i>For Extra Heavy Fittings, Add</i>	68.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.12	
			<i>For Work In Restricted Working Space, Add</i>	30.69	
22 13 16 00-0066	EA		10" Bell And Spigot Cast Iron 1/8 Bend	411.74	84.18
			<i>For Extra Heavy Fittings, Add</i>	99.93	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.31	
			<i>For Work In Restricted Working Space, Add</i>	37.87	
22 13 16 00-0067	EA		12" Bell And Spigot Cast Iron 1/8 Bend	657.64	109.18
			<i>For Extra Heavy Fittings, Add</i>	172.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.18	
			<i>For Work In Restricted Working Space, Add</i>	49.09	
22 13 16 00-0068	EA		15" Bell And Spigot Cast Iron 1/8 Bend	1,237.37	128.68
			<i>For Extra Heavy Fittings, Add</i>	365.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.64	
			<i>For Work In Restricted Working Space, Add</i>	57.87	
22 13 16 00-0069			Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)		
22 13 16 00-0070	EA		2" Bell And Spigot Cast Iron Wye	87.86	47.97
			<i>For Extra Heavy Fittings, Add</i>	5.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0071	EA		3" Bell And Spigot Cast Iron Wye	108.56	52.54
			<i>For Extra Heavy Fittings, Add</i>	10.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0072	EA		4" Bell And Spigot Cast Iron Wye	142.83	68.85
			<i>For Extra Heavy Fittings, Add</i>	13.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0073	EA		5" Bell And Spigot Cast Iron Wye	184.28	78.85
			<i>For Extra Heavy Fittings, Add</i>	23.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.91	
			<i>For Work In Restricted Working Space, Add</i>	35.48	
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye	229.61	93.46
			<i>For Extra Heavy Fittings, Add</i>	31.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.01	
			<i>For Work In Restricted Working Space, Add</i>	42.05	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0075	EA			8" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	406.20 76.78 9.34 56.05	124.60
22 13 16 00-0076	EA			10" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	560.11 121.87 10.60 63.57	141.36
22 13 16 00-0077	EA			12" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	818.15 196.06 12.90 77.39	172.07
22 13 16 00-0078	EA			15" Bell And Spigot Cast Iron Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,248.64 335.72 14.47 86.83	193.06
22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes <small>(22 13 16 00-0030)</small>						
22 13 16 00-0080	EA			3" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.36 20.01 3.76 22.56	50.14
22 13 16 00-0081	EA			4" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.35 23.94 4.65 27.88	61.97
22 13 16 00-0082	EA			4" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.59 29.15 4.77 28.59	63.54
22 13 16 00-0083	EA			6" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.31 48.58 6.28 37.65	83.75
22 13 16 00-0084	EA			6" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.99 50.09 6.39 38.37	85.28
22 13 16 00-0085	EA			6" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	284.14 51.71 6.82 40.92	90.98
22 13 16 00-0086	EA			8" x 2" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	407.66 90.11 7.51 45.06	100.20
22 13 16 00-0087	EA			8" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	425.40 95.31 7.65 45.92	102.13
22 13 16 00-0088	EA			8" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	436.33 96.59 8.02 48.11	106.95
22 13 16 00-0089	EA			8" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	513.51 117.29 8.92 53.52	118.97
22 13 16 00-0090	EA			10" x 3" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	623.55 159.74 8.36 50.14	111.48
22 13 16 00-0091	EA			10" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	648.76 165.99 8.73 52.35	116.37
22 13 16 00-0092	EA			10" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	710.11 181.03 9.64 57.87	128.68
22 13 16 00-0093	EA			10" x 8" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	929.69 253.78 10.23 61.38	136.47
22 13 16 00-0094	EA			12" x 4" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	955.80 262.92 10.23 61.38	136.47
22 13 16 00-0095	EA			12" x 6" Bell And Spigot Cast Iron Reducing Wye <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	996.39 271.13 11.09 66.52	147.89

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0096 EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,164.99	155.23
For Extra Heavy Fittings, Add	326.31	
For Above Ground Cast Iron Pipe Installation, Add	11.63	
For Work In Restricted Working Space, Add	69.80	
22 13 16 00-0097 EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye	1,408.25	159.83
For Extra Heavy Fittings, Add	409.01	
For Above Ground Cast Iron Pipe Installation, Add	11.98	
For Work In Restricted Working Space, Add	71.89	
22 13 16 00-0098 EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye	2,297.46	150.71
For Extra Heavy Fittings, Add	725.03	
For Above Ground Cast Iron Pipe Installation, Add	11.30	
For Work In Restricted Working Space, Add	67.79	
22 13 16 00-0099 EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye	2,399.36	163.10
For Extra Heavy Fittings, Add	754.18	
For Above Ground Cast Iron Pipe Installation, Add	12.23	
For Work In Restricted Working Space, Add	73.37	
22 13 16 00-0100 EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye	2,449.54	170.14
For Extra Heavy Fittings, Add	768.06	
For Above Ground Cast Iron Pipe Installation, Add	12.75	
For Work In Restricted Working Space, Add	76.53	
22 13 16 00-0101 EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye	2,507.07	175.92
For Extra Heavy Fittings, Add	785.18	
For Above Ground Cast Iron Pipe Installation, Add	13.19	
For Work In Restricted Working Space, Add	79.11	
22 13 16 00-0102 EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye	2,572.03	186.16
For Extra Heavy Fittings, Add	802.53	
For Above Ground Cast Iron Pipe Installation, Add	13.95	
For Work In Restricted Working Space, Add	83.73	
22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0104 EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	94.66	47.97
For Extra Heavy Fittings, Add	7.95	
For Above Ground Cast Iron Pipe Installation, Add	3.60	
For Work In Restricted Working Space, Add	21.59	
22 13 16 00-0105 EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	112.75	52.54
For Extra Heavy Fittings, Add	11.89	
For Above Ground Cast Iron Pipe Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	150.13	68.85
For Extra Heavy Fittings, Add	16.43	
For Above Ground Cast Iron Pipe Installation, Add	5.16	
For Work In Restricted Working Space, Add	30.96	
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	209.01	82.72
For Extra Heavy Fittings, Add	29.76	
For Above Ground Cast Iron Pipe Installation, Add	6.20	
For Work In Restricted Working Space, Add	37.19	
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	261.47	102.60
For Extra Heavy Fittings, Add	37.68	
For Above Ground Cast Iron Pipe Installation, Add	7.69	
For Work In Restricted Working Space, Add	46.14	
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	463.24	134.17
For Extra Heavy Fittings, Add	91.74	
For Above Ground Cast Iron Pipe Installation, Add	10.06	
For Work In Restricted Working Space, Add	60.34	
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	663.60	175.92
For Extra Heavy Fittings, Add	139.96	
For Above Ground Cast Iron Pipe Installation, Add	13.19	
For Work In Restricted Working Space, Add	79.11	
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	887.05	226.14
For Extra Heavy Fittings, Add	191.80	
For Above Ground Cast Iron Pipe Installation, Add	16.95	
For Work In Restricted Working Space, Add	101.72	
22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	100.67	50.14
For Extra Heavy Fittings, Add	8.92	
For Above Ground Cast Iron Pipe Installation, Add	3.76	
For Work In Restricted Working Space, Add	22.56	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	139.74	61.97
For Extra Heavy Fittings, Add	16.38	
For Above Ground Cast Iron Pipe Installation, Add	4.65	
For Work In Restricted Working Space, Add	27.88	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	150.07	63.54
For Extra Heavy Fittings, Add	19.17	
For Above Ground Cast Iron Pipe Installation, Add	4.77	
For Work In Restricted Working Space, Add	28.59	
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend.....	223.41	83.75
For Extra Heavy Fittings, Add	34.27	
For Above Ground Cast Iron Pipe Installation, Add	6.28	
For Work In Restricted Working Space, Add	37.65	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0117	EA			6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.16 36.49 6.39 38.37	85.28
22 13 16 00-0118	EA			6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.25 38.44 6.82 40.92	90.98
22 13 16 00-0119	EA			8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.69 63.52 7.51 45.06	100.20
22 13 16 00-0120	EA			8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.85 63.52 8.02 48.11	106.95
22 13 16 00-0121	EA			8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	427.53 87.20 8.92 53.52	118.97
22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)						
22 13 16 00-0123	EA			2" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.81 21.98 4.30 25.81	57.39
22 13 16 00-0124	EA			3" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.88 36.90 5.42 32.54	72.36
22 13 16 00-0125	EA			4" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	288.62 52.98 6.86 41.18	91.52
22 13 16 00-0126	EA			6" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	551.07 117.52 10.76 64.59	143.59
22 13 16 00-0127	EA			8" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,069.78 286.06 12.62 75.74	168.43
22 13 16 00-0128	EA			10" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,408.52 394.09 14.13 84.76	188.46
22 13 16 00-0129	EA			12" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,001.91 232.00 16.95 101.72	226.14
22 13 16 00-0130	EA			15" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,719.29 827.15 17.80 106.80	237.34
22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)						
22 13 16 00-0132	EA			3" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.84 12.97 5.09 30.54	67.88
22 13 16 00-0133	EA			4" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.12 15.47 5.85 35.08	77.98
22 13 16 00-0134	EA			4" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	173.88 17.92 6.13 36.81	81.79
22 13 16 00-0135	EA			6" x 2" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.72 26.74 7.47 44.79	99.60
22 13 16 00-0136	EA			6" x 3" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.69 29.29 7.75 46.50	103.40
22 13 16 00-0137	EA			6" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.96 36.37 8.45 50.72	112.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	425.25	129.79
			<i>For Extra Heavy Fittings, Add</i>	80.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.73	
			<i>For Work In Restricted Working Space, Add</i>	58.36	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	466.43	153.60
			<i>For Extra Heavy Fittings, Add</i>	82.64	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.52	
			<i>For Work In Restricted Working Space, Add</i>	69.10	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	453.18	138.84
			<i>For Extra Heavy Fittings, Add</i>	85.75	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.41	
			<i>For Work In Restricted Working Space, Add</i>	62.46	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	528.49	163.10
			<i>For Extra Heavy Fittings, Add</i>	99.37	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.23	
			<i>For Work In Restricted Working Space, Add</i>	73.37	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	645.13	177.77
			<i>For Extra Heavy Fittings, Add</i>	132.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.33	
			<i>For Work In Restricted Working Space, Add</i>	79.97	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	659.01	181.86
			<i>For Extra Heavy Fittings, Add</i>	135.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.63	
			<i>For Work In Restricted Working Space, Add</i>	81.80	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	833.29	197.87
			<i>For Extra Heavy Fittings, Add</i>	187.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.83	
			<i>For Work In Restricted Working Space, Add</i>	89.00	
22 13 16 00-0145			Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	126.31	57.39
			<i>For Extra Heavy Fittings, Add</i>	14.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.30	
			<i>For Work In Restricted Working Space, Add</i>	25.81	
22 13 16 00-0147	EA		3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	169.99	76.78
			<i>For Extra Heavy Fittings, Add</i>	19.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.76	
			<i>For Work In Restricted Working Space, Add</i>	34.54	
22 13 16 00-0148	EA		4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	221.12	96.01
			<i>For Extra Heavy Fittings, Add</i>	27.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.20	
			<i>For Work In Restricted Working Space, Add</i>	43.18	
22 13 16 00-0149	EA		6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	479.96	160.48
			<i>For Extra Heavy Fittings, Add</i>	83.77	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.03	
			<i>For Work In Restricted Working Space, Add</i>	72.19	
22 13 16 00-0150			Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0030)</small>		
22 13 16 00-0151	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	166.88	68.85
			<i>For Extra Heavy Fittings, Add</i>	22.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0152	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	197.16	77.98
			<i>For Extra Heavy Fittings, Add</i>	28.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.85	
			<i>For Work In Restricted Working Space, Add</i>	35.08	
22 13 16 00-0153	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	221.16	86.81
			<i>For Extra Heavy Fittings, Add</i>	31.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.51	
			<i>For Work In Restricted Working Space, Add</i>	39.03	
22 13 16 00-0154	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	435.00	119.70
			<i>For Extra Heavy Fittings, Add</i>	89.43	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.97	
			<i>For Work In Restricted Working Space, Add</i>	53.85	
22 13 16 00-0155			Bell And Spigot Cast Iron Sanitary Tees <small>(22 13 16 00-0030)</small>		
22 13 16 00-0156	EA		2" Bell And Spigot Cast Iron Sanitary Tee	103.42	48.05
			<i>For Extra Heavy Fittings, Add</i>	10.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.61	
22 13 16 00-0157	EA		3" Bell And Spigot Cast Iron Sanitary Tee	117.12	52.54
			<i>For Extra Heavy Fittings, Add</i>	13.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0158	EA		4" Bell And Spigot Cast Iron Sanitary Tee	183.79	64.35
			<i>For Extra Heavy Fittings, Add</i>	30.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.83	
			<i>For Work In Restricted Working Space, Add</i>	28.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	264.73 54.37 5.47 32.82	72.93
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.56 65.24 6.56 39.35	87.48
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	661.48 171.77 8.54 51.21	113.85
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	985.50 272.06 10.41 62.46	138.84
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,458.79 424.98 12.23 73.37	163.10
22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.34 21.05 3.76 22.56	50.14
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.10 25.22 4.40 26.42	58.74
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.04 27.65 4.40 26.42	58.74
22 13 16 00-0168 EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.05 45.34 6.28 37.65	83.75
22 13 16 00-0169 EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.04 48.00 6.39 38.37	85.28
22 13 16 00-0170 EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.11 52.75 6.82 40.92	90.98
22 13 16 00-0171 EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	475.66 110.35 8.02 48.11	106.95
22 13 16 00-0172 EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	593.15 145.17 8.92 53.52	118.97
22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)		
22 13 16 00-0174 EA 2" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.30 6.42 3.60 21.59	47.97
22 13 16 00-0175 EA 3" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.71 11.18 3.94 23.63	52.54
22 13 16 00-0176 EA 4" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.46 15.14 5.16 30.96	68.85
22 13 16 00-0177 EA 5" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.52 22.59 6.20 37.19	82.72
22 13 16 00-0178 EA 6" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.95 29.10 7.69 46.14	102.60
22 13 16 00-0179 EA 8" Bell And Spigot Cast Iron Vent Tee <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.63 67.73 10.06 60.34	134.17
22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)		

22	Plumbing
22 10	Plumbing Piping
22 13	Facility Sanitary Sewerage



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee	92.45	47.97
			<i>For Extra Heavy Fittings, Add</i>	7.17	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee	101.95	52.54
			<i>For Extra Heavy Fittings, Add</i>	8.11	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee	131.75	68.85
			<i>For Extra Heavy Fittings, Add</i>	9.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0184			Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)		
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross	93.81	47.97
			<i>For Extra Heavy Fittings, Add</i>	7.65	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.60	
			<i>For Work In Restricted Working Space, Add</i>	21.59	
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross	104.52	52.54
			<i>For Extra Heavy Fittings, Add</i>	9.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.94	
			<i>For Work In Restricted Working Space, Add</i>	23.63	
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross	138.23	68.85
			<i>For Extra Heavy Fittings, Add</i>	12.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.16	
			<i>For Work In Restricted Working Space, Add</i>	30.96	
22 13 16 00-0188			Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)		
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer	52.05	27.02
			<i>For Extra Heavy Fittings, Add</i>	4.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
			<i>For Work In Restricted Working Space, Add</i>	12.14	
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer	65.59	35.62
			<i>For Extra Heavy Fittings, Add</i>	4.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.67	
			<i>For Work In Restricted Working Space, Add</i>	16.04	
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer	69.60	35.92
			<i>For Extra Heavy Fittings, Add</i>	5.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
			<i>For Work In Restricted Working Space, Add</i>	16.15	
22 13 16 00-0192	EA		6" x 2" Bell And Spigot Cast Iron Reducer	89.33	44.28
			<i>For Extra Heavy Fittings, Add</i>	8.02	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.32	
			<i>For Work In Restricted Working Space, Add</i>	19.93	
22 13 16 00-0193	EA		6" x 3" Bell And Spigot Cast Iron Reducer	93.05	44.87
			<i>For Extra Heavy Fittings, Add</i>	9.01	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	20.19	
22 13 16 00-0194	EA		6" x 4" Bell And Spigot Cast Iron Reducer	95.90	45.81
			<i>For Extra Heavy Fittings, Add</i>	9.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
			<i>For Work In Restricted Working Space, Add</i>	20.60	
22 13 16 00-0195	EA		8" x 2" Bell And Spigot Cast Iron Reducer	121.06	47.21
			<i>For Extra Heavy Fittings, Add</i>	17.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.54	
			<i>For Work In Restricted Working Space, Add</i>	21.24	
22 13 16 00-0196	EA		8" x 3" Bell And Spigot Cast Iron Reducer	137.42	57.78
			<i>For Extra Heavy Fittings, Add</i>	17.78	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.33	
			<i>For Work In Restricted Working Space, Add</i>	25.99	
22 13 16 00-0197	EA		8" x 4" Bell And Spigot Cast Iron Reducer	141.03	59.26
			<i>For Extra Heavy Fittings, Add</i>	18.25	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.44	
			<i>For Work In Restricted Working Space, Add</i>	26.66	
22 13 16 00-0198	EA		8" x 6" Bell And Spigot Cast Iron Reducer	145.82	61.85
			<i>For Extra Heavy Fittings, Add</i>	18.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.64	
			<i>For Work In Restricted Working Space, Add</i>	27.81	
22 13 16 00-0199	EA		10" x 4" Bell And Spigot Cast Iron Reducer	180.11	69.42
			<i>For Extra Heavy Fittings, Add</i>	26.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.21	
			<i>For Work In Restricted Working Space, Add</i>	31.23	
22 13 16 00-0200	EA		10" x 6" Bell And Spigot Cast Iron Reducer	189.82	72.91
			<i>For Extra Heavy Fittings, Add</i>	28.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.47	
			<i>For Work In Restricted Working Space, Add</i>	32.81	
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer	201.85	76.10
			<i>For Extra Heavy Fittings, Add</i>	30.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.71	
			<i>For Work In Restricted Working Space, Add</i>	34.23	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer.....	247.71	82.48
				<i>For Extra Heavy Fittings, Add</i>	43.44	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.18	
				<i>For Work In Restricted Working Space, Add</i>	37.08	
	22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer.....	277.43	96.49
				<i>For Extra Heavy Fittings, Add</i>	46.45	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.24	
				<i>For Work In Restricted Working Space, Add</i>	43.41	
	22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer.....	301.47	109.91
				<i>For Extra Heavy Fittings, Add</i>	47.83	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.24	
				<i>For Work In Restricted Working Space, Add</i>	49.44	
	22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer.....	331.85	126.61
				<i>For Extra Heavy Fittings, Add</i>	49.71	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.49	
				<i>For Work In Restricted Working Space, Add</i>	56.94	
	22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer.....	423.76	126.61
				<i>For Extra Heavy Fittings, Add</i>	81.88	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.49	
				<i>For Work In Restricted Working Space, Add</i>	56.94	
	22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer.....	451.34	136.47
				<i>For Extra Heavy Fittings, Add</i>	86.36	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.23	
				<i>For Work In Restricted Working Space, Add</i>	61.38	
	22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer.....	470.43	143.88
				<i>For Extra Heavy Fittings, Add</i>	89.13	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.79	
				<i>For Work In Restricted Working Space, Add</i>	64.73	
	22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer.....	496.21	153.60
				<i>For Extra Heavy Fittings, Add</i>	93.06	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.52	
				<i>For Work In Restricted Working Space, Add</i>	69.10	
	22 13 16 00-0210			Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)		
	22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap.....	52.01	21.48
				<i>For Extra Heavy Fittings, Add</i>	6.94	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	9.65	
	22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap.....	69.30	27.02
				<i>For Extra Heavy Fittings, Add</i>	10.10	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
				<i>For Work In Restricted Working Space, Add</i>	12.14	
	22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap.....	94.26	35.92
				<i>For Extra Heavy Fittings, Add</i>	14.15	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
	22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap.....	148.09	41.00
				<i>For Extra Heavy Fittings, Add</i>	30.33	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.07	
				<i>For Work In Restricted Working Space, Add</i>	18.43	
	22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap.....	197.09	48.23
				<i>For Extra Heavy Fittings, Add</i>	43.68	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.62	
				<i>For Work In Restricted Working Space, Add</i>	21.69	
	22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap.....	425.84	61.85
				<i>For Extra Heavy Fittings, Add</i>	116.60	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.64	
				<i>For Work In Restricted Working Space, Add</i>	27.81	
	22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap.....	474.01	76.10
				<i>For Extra Heavy Fittings, Add</i>	125.97	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.71	
				<i>For Work In Restricted Working Space, Add</i>	34.23	
	22 13 16 00-0218			Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)		
	22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	59.54	21.48
				<i>For Extra Heavy Fittings, Add</i>	9.58	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	1.61	
				<i>For Work In Restricted Working Space, Add</i>	9.65	
	22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	84.11	27.02
				<i>For Extra Heavy Fittings, Add</i>	15.28	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.02	
				<i>For Work In Restricted Working Space, Add</i>	12.14	
	22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	121.79	35.92
				<i>For Extra Heavy Fittings, Add</i>	23.78	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.69	
				<i>For Work In Restricted Working Space, Add</i>	16.15	
	22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap.....	198.85	45.81
				<i>For Extra Heavy Fittings, Add</i>	45.56	
				<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.43	
				<i>For Work In Restricted Working Space, Add</i>	20.60	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.66 47.26 3.83 22.99	51.08
22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.01 3.94 23.63	51.86
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.83 5.16 30.96	68.17
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.68 6.02 36.09	79.58
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	481.97 6.82 40.92	90.18
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,532.27 8.02 48.11	105.76
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,659.83 8.92 53.52	118.00
22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.65 5.42 32.54	71.62
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	241.06 6.86 41.18	90.40
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	540.13 8.45 50.72	111.45
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	627.88 10.22 61.33	134.90
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,653.91 9.73 58.36	128.23
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,817.63 11.52 69.10	152.26
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,411.04 13.33 79.97	175.70
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,327.12 15.39 92.33	203.15
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,437.24 17.81 106.84	234.96
22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.89 1.61 9.63	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.79 1.80 10.82	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.49 2.42 14.50	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.41 2.81 16.84	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.55 3.39 20.34	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	457.38 4.28 25.71	
22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019) Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	8.94 0.45 2.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0250	EA		3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	9.76 0.49 2.93	
22 13 16 00-0251	EA		4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.19 0.61 3.66	
22 13 16 00-0252	EA		6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	14.63 0.73 4.39	
22 13 16 00-0253	EA		8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.51 0.98 5.85	
22 13 16 00-0254	EA		10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.76 1.14 6.83	
22 13 16 00-0255	EA		12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.83 1.34 8.05	
22 13 16 00-0256	EA		15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.89 1.54 9.27	
22 13 16 00-0257			Joint Material (22 13 16 00-0019) Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB		Lead (1 LB/Diameter Inch) Joint Material	1.55	
22 13 16 00-0259	LB		Oakum (1/8 LB/Diameter Inch) Joint Material	6.87	
22 13 16 00-0260	EA		2" Dual Tite Rubber Gasket	0.72	
22 13 16 00-0261	EA		3" Dual Tite Rubber Gasket	0.99	
22 13 16 00-0262	EA		4" Dual Tite Rubber Gasket	1.23	
22 13 16 00-0263	EA		6" Dual Tite Rubber Gasket	2.04	
22 13 16 00-0264	EA		8" Dual Tite Rubber Gasket	4.49	
22 13 16 00-0265	EA		10" Dual Tite Rubber Gasket	6.89	
22 13 16 00-0266	EA		12" Dual Tite Rubber Gasket	8.78	
22 13 16 00-0267	EA		15" Dual Tite Rubber Gasket	10.43	
22 13 16 00-0268			No Hub Cast Iron Soil Pipe And Fittings (22 13 16) Note: Service Weight. Excludes hangers.		
22 13 16 00-0269			No Hub Cast Iron Pipe (22 13 16 00-0268) Note: Excludes couplings.		
22 13 16 00-0270	LF		1-1/2" No Hub Cast Iron Pipe	10.01	4.49
			<i>For Below Ground Installation, Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	2.02	
22 13 16 00-0271	LF		2" No Hub Cast Iron Pipe.....	10.67	4.78
			<i>For Below Ground Installation, Add</i>	0.36	
			<i>For Work In Restricted Working Space, Add</i>	2.17	
22 13 16 00-0272	LF		3" No Hub Cast Iron Pipe.....	15.23	6.96
			<i>For Below Ground Installation, Add</i>	0.52	
			<i>For Work In Restricted Working Space, Add</i>	3.14	
22 13 16 00-0273	LF		4" No Hub Cast Iron Pipe.....	19.77	9.06
			<i>For Below Ground Installation, Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	4.08	
22 13 16 00-0274	LF		5" No Hub Cast Iron Pipe.....	25.35	11.18
			<i>For Below Ground Installation, Add</i>	0.84	
			<i>For Work In Restricted Working Space, Add</i>	5.03	
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe.....	28.89	12.21
			<i>For Below Ground Installation, Add</i>	0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.48	
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe.....	43.08	17.43
			<i>For Below Ground Installation, Add</i>	1.30	
			<i>For Work In Restricted Working Space, Add</i>	7.82	
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe.....	57.86	19.81
			<i>For Below Ground Installation, Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	8.90	
22 13 16 00-0278			No Hub Cast Iron Fittings (22 13 16 00-0268)		
22 13 16 00-0279			No Hub Cast Iron Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep.....	40.03	21.25
			<i>For Below Ground Installation, Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep.....	40.24	21.25
			<i>For Below Ground Installation, Add</i>	1.59	
			<i>For Work In Restricted Working Space, Add</i>	9.56	
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep.....	47.01	24.33
			<i>For Below Ground Installation, Add</i>	1.83	
			<i>For Work In Restricted Working Space, Add</i>	10.95	
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep.....	63.94	32.18
			<i>For Below Ground Installation, Add</i>	2.41	
			<i>For Work In Restricted Working Space, Add</i>	14.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep	84.14	36.90
For Below Ground Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.59	
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep	100.01	43.99
For Below Ground Installation, Add	3.30	
For Work In Restricted Working Space, Add	19.80	
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep	177.71	56.52
For Below Ground Installation, Add	4.24	
For Work In Restricted Working Space, Add	25.43	
22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep	55.67	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep	80.45	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep	38.50	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep	45.63	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep	63.22	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep	84.41	36.90
For Below Ground Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.59	
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep	95.78	43.99
For Below Ground Installation, Add	3.30	
For Work In Restricted Working Space, Add	19.80	
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep	164.94	56.52
For Below Ground Installation, Add	4.24	
For Work In Restricted Working Space, Add	25.43	
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep	259.69	79.14
For Below Ground Installation, Add	5.93	
For Work In Restricted Working Space, Add	35.60	
22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend	35.69	20.36
For Below Ground Installation, Add	1.53	
For Work In Restricted Working Space, Add	9.16	
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend	37.30	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend	43.69	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend	58.93	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend	79.08	36.90
For Below Ground Installation, Add	2.77	
For Work In Restricted Working Space, Add	16.59	
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend	92.37	43.99
For Below Ground Installation, Add	3.30	
For Work In Restricted Working Space, Add	19.80	
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend	154.99	56.52
For Below Ground Installation, Add	4.24	
For Work In Restricted Working Space, Add	25.43	
22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend	34.59	20.36
For Below Ground Installation, Add	1.53	
For Work In Restricted Working Space, Add	9.16	
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend	35.99	21.25
For Below Ground Installation, Add	1.59	
For Work In Restricted Working Space, Add	9.56	
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend	42.40	24.33
For Below Ground Installation, Add	1.83	
For Work In Restricted Working Space, Add	10.95	
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend	56.03	32.18
For Below Ground Installation, Add	2.41	
For Work In Restricted Working Space, Add	14.48	
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend	88.97	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.66 4.68 28.07	62.41
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.99 5.76 34.54	76.78
22 13 16 00-0314 No Hub Cast Iron Wyes (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.17 2.40 14.39	32.03
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.35 3.25 19.52	43.40
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.22 3.56 21.38	47.52
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.69 4.68 28.07	62.41
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.62 5.39 32.31	71.83
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.28 6.39 38.37	85.28
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.77 8.48 50.86	113.10
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.92 9.42 56.51	125.64
22 13 16 00-0323 No Hub Cast Iron Reducing Wyes (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.95 3.11 18.63	41.46
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.11 3.56 21.38	47.52
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.82 3.94 23.63	52.54
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.98 4.38 26.26	58.37
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.15 5.44 32.65	72.57
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.84 5.68 34.10	75.85
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.42 6.64 39.86	88.65
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.00 6.67 40.00	88.93
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.26 7.33 43.95	97.75
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.76 7.81 46.84	104.13
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	319.49 8.36 50.14	111.48
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	361.41 8.92 53.54	119.04
22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.12 2.79 16.75	37.27
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.64 3.25 19.52	43.40
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.43 3.56 21.38	47.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend.....	115.95	62.41
For Below Ground Installation, Add	4.68	
For Work In Restricted Working Space, Add	28.07	
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend.....	200.32	96.01
For Below Ground Installation, Add	7.20	
For Work In Restricted Working Space, Add	43.18	
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend.....	326.19	123.18
For Below Ground Installation, Add	9.23	
For Work In Restricted Working Space, Add	55.41	
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend.....	385.74	148.93
For Below Ground Installation, Add	11.16	
For Work In Restricted Working Space, Add	66.98	
22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	73.00	43.40
For Below Ground Installation, Add	3.25	
For Work In Restricted Working Space, Add	19.52	
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	80.22	47.52
For Below Ground Installation, Add	3.56	
For Work In Restricted Working Space, Add	21.38	
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	91.03	52.54
For Below Ground Installation, Add	3.94	
For Work In Restricted Working Space, Add	23.63	
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	103.13	58.37
For Below Ground Installation, Add	4.38	
For Work In Restricted Working Space, Add	26.26	
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	137.59	72.57
For Below Ground Installation, Add	5.44	
For Work In Restricted Working Space, Add	32.65	
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	150.10	75.85
For Below Ground Installation, Add	5.68	
For Work In Restricted Working Space, Add	34.10	
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	170.28	88.65
For Below Ground Installation, Add	6.64	
For Work In Restricted Working Space, Add	39.86	
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	207.43	88.93
For Below Ground Installation, Add	6.67	
For Work In Restricted Working Space, Add	40.00	
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend.....	257.37	97.75
For Below Ground Installation, Add	7.33	
For Work In Restricted Working Space, Add	43.95	
22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye.....	91.05	53.96
For Below Ground Installation, Add	4.05	
For Work In Restricted Working Space, Add	24.27	
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye.....	117.19	65.70
For Below Ground Installation, Add	4.92	
For Work In Restricted Working Space, Add	29.54	
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye.....	146.20	71.84
For Below Ground Installation, Add	5.38	
For Work In Restricted Working Space, Add	32.30	
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye.....	227.48	107.50
For Below Ground Installation, Add	8.06	
For Work In Restricted Working Space, Add	48.33	
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye.....	395.49	143.88
For Below Ground Installation, Add	10.79	
For Work In Restricted Working Space, Add	64.73	
22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye.....	105.68	59.79
For Below Ground Installation, Add	4.48	
For Work In Restricted Working Space, Add	26.89	
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye.....	124.79	68.85
For Below Ground Installation, Add	5.16	
For Work In Restricted Working Space, Add	30.97	
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye.....	136.85	75.06
For Below Ground Installation, Add	5.63	
For Work In Restricted Working Space, Add	33.76	
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye.....	195.91	94.78
For Below Ground Installation, Add	7.10	
For Work In Restricted Working Space, Add	42.63	
22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	114.98	64.81
For Below Ground Installation, Add	4.86	
For Work In Restricted Working Space, Add	29.16	
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend.....	135.23	71.84
For Below Ground Installation, Add	5.38	
For Work In Restricted Working Space, Add	32.30	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.17 7.13 42.77	95.12
	22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.55 11.01 66.03	146.83
22 13 16 00-0370	No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.25 4.18 25.08	55.75
	22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.97 4.86 29.16	64.81
	22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.71 5.31 31.85	70.79
22 13 16 00-0374	No Hub Cast Iron Sanitary Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.90 2.35 14.12	31.36
	22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.71 3.25 19.52	43.40
	22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.40 3.56 21.38	47.52
	22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.84 4.68 28.07	62.41
	22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.01 5.39 32.31	71.83
	22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	169.01 6.39 38.37	85.28
	22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	289.63 8.48 50.86	113.10
	22 13 16 00-0382	EA		2" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.71 2.65 15.92	35.40
	22 13 16 00-0383	EA		3" x 1-1/2" No Hub Cast Iron Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.59 3.11 18.63	41.46
22 13 16 00-0384	No Hub Cast Iron Reducing Sanitary Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.55 3.25 19.52	43.40
	22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.29 3.25 19.52	43.40
	22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.92 4.40 26.42	58.74
	22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.05 4.40 26.42	58.74
	22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.55 5.12 30.69	68.25
	22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.51 5.12 30.69	68.25
	22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	130.87 5.12 30.69	68.25
	22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.98 5.33 31.97	71.11
	22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.47 7.15 42.89	95.38
22 13 16 00-0394	No Hub Cast Iron Sanitary Tapped Tees <small>(22 13 16 00-0278)</small>					
	22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.51 1.59 9.56	21.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.70 1.83 10.95	24.33
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.68 2.41 14.48	32.18
22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.18 1.59 9.56	21.25
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.67 1.83 10.95	24.33
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.16 2.41 14.48	32.18
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.15 3.56 21.38	47.52
22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.61 4.68 28.07	62.41
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.60 7.11 42.66	94.81
22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.54 1.59 9.56	21.25
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.73 1.83 10.95	24.33
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.30 2.41 14.48	32.18
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.26 3.56 21.38	47.52
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.14 4.68 28.07	62.41
22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.10 3.14 18.86	41.91
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.60 3.25 19.52	43.40
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.42 3.56 21.38	47.52
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.66 4.68 28.07	62.41
22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	99.91 4.18 25.08	55.75
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.12 4.30 25.82	57.39
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.65 4.49 26.95	59.94
22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)		
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.94 3.25 19.52	43.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.95 4.40 26.42	58.74
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.13 4.40 26.42	58.74
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.96 5.12 30.69	68.25
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.16 5.12 30.69	68.25
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.63 5.12 30.69	68.25
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.62 5.68 34.10	75.85
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	128.80 5.68 34.10	75.85
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.34 5.68 34.10	75.85
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.13 7.91 47.47	105.54
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.51 7.91 47.47	105.54
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.73 7.91 47.47	105.54
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.03 7.91 47.47	105.54
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	184.31 7.91 47.47	105.54
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.65 8.34 50.06	111.33
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.22 8.72 52.29	116.22
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.54 9.46 56.74	126.15
22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.76 1.53 9.16	20.36
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.97 1.59 9.56	21.25
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.28 1.83 10.95	24.33
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.34 2.41 14.48	32.18
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.67 2.81 16.88	38.00
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.50 3.30 19.80	43.99
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.71 4.24 25.43	56.52
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.35 4.56 27.39	60.89
22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.69 1.59 9.56	21.25
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.38 1.83 10.95	24.33



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.34 2.41 14.48	32.18
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.80 2.79 16.72	37.20
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.64 3.33 19.95	44.35
22 13 16 00-0454			No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)		
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.17 2.02 12.14	27.02
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.70 2.69 16.15	35.92
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.01 3.55 21.33	47.44
22 13 16 00-0458			No Hub Cast Iron Closet Flanges (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.71 2.41 14.48	32.18
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.29 2.41 14.48	32.18
22 13 16 00-0461			No Hub Cast Iron Closet Bends (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.95 2.41 14.48	32.18
22 13 16 00-0463			No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.19 2.02 12.14	27.02
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.27 2.02 12.14	27.02
22 13 16 00-0466			No Hub Couplings (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).		
22 13 16 00-0467	EA		1-1/2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.07 0.66 1.37	
22 13 16 00-0468	EA		2" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	5.07 0.66 1.37	
22 13 16 00-0469	EA		3" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	6.02 0.78 1.63	
22 13 16 00-0470	EA		4" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	7.15 0.93 1.93	
22 13 16 00-0471	EA		5" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	16.53 2.15 4.46	
22 13 16 00-0472	EA		6" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	18.16 2.36 4.90	
22 13 16 00-0473	EA		8" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	34.21 4.45 9.24	
22 13 16 00-0474	EA		10" No Hub Coupling..... <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	47.13 6.13 12.73	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling.....	6.02	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling.....	9.34	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling.....	13.02	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling.....	11.10	
22 13 16 00-0479			Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts (22 13 16 00-0278) Note: For underground connections. See CSI section 22 13 16 00-0861 for additional FERNCO couplings.		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	14.89	
22 13 16 00-0481	EA		2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	15.37	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0482	EA			3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	16.14	
22 13 16 00-0483	EA			4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	18.83	
22 13 16 00-0484	EA			5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	35.55	
22 13 16 00-0485	EA			6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	48.80	
22 13 16 00-0486	EA			8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	85.50	
22 13 16 00-0487	EA			10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	130.65	
22 13 16 00-0488				Cut And Prepare Existing Pipe In-Place <small>(22 13 16 00-0266)</small>		
				Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA			Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	7.32	
				<i>For Work In Restricted Working Space, Add</i>	2.20	
22 13 16 00-0490	EA			Cut And Prepare 2" Cast Iron Pipe, No Hub.....	8.94	
				<i>For Work In Restricted Working Space, Add</i>	2.68	
22 13 16 00-0491	EA			Cut And Prepare 3" Cast Iron Pipe, No Hub.....	9.76	
				<i>For Work In Restricted Working Space, Add</i>	2.93	
22 13 16 00-0492	EA			Cut And Prepare 4" Cast Iron Pipe, No Hub.....	12.19	
				<i>For Work In Restricted Working Space, Add</i>	3.66	
22 13 16 00-0493	EA			Cut And Prepare 6" Cast Iron Pipe, No Hub.....	14.63	
				<i>For Work In Restricted Working Space, Add</i>	4.39	
22 13 16 00-0494	EA			Cut And Prepare 8" Cast Iron Pipe, No Hub.....	19.51	
				<i>For Work In Restricted Working Space, Add</i>	5.85	
22 13 16 00-0495	EA			Cut And Prepare 10" Cast Iron Pipe, No Hub.....	22.76	
				<i>For Work In Restricted Working Space, Add</i>	6.83	
22 13 16 00-0496				Copper Drain-Waste-Vent (DWV) Pipe <small>(22 13 16)</small>		
				See CSI section 22 11 16 00-0354 for copper and brass fittings.		
22 13 16 00-0497	LF			1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	9.62	3.52
22 13 16 00-0498	LF			1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	11.83	3.93
22 13 16 00-0499	LF			2" Hard Drawn DWV Copper Tube/Pipe.....	18.02	4.84
22 13 16 00-0500	LF			3" Hard Drawn DWV Copper Tube/Pipe.....	36.02	6.71
22 13 16 00-0501	LF			4" Hard Drawn DWV Copper Tube/Pipe.....	47.58	7.57
22 13 16 00-0502	LF			5" Hard Drawn DWV Copper Tube/Pipe.....	124.97	8.69
22 13 16 00-0503	LF			6" Hard Drawn DWV Copper Tube/Pipe.....	157.08	13.48
22 13 16 00-0504				Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 13 16)</small>		
				Note: Aboveground installation. See CSI section 33 31 00 00-0019 for underground installation.		
22 13 16 00-0505				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies <small>(22 13 16 00-0504)</small>		
				Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0506	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	15.60	3.14
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	4.31	
22 13 16 00-0507	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	17.29	3.74
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	4.77	
22 13 16 00-0508	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	22.28	5.39
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	5.92	
22 13 16 00-0509	LF			4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	25.12	5.84
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	6.58	
22 13 16 00-0510	LF			6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	36.85	7.48
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	8.75	
22 13 16 00-0511	LF			8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	49.52	9.95
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	11.09	
22 13 16 00-0512	LF			10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	67.78	13.32
				Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
				<i>For Work In Restricted Working Space, Add</i>	14.45	
22 13 16 00-0513				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <small>(22 13 16 00-0504)</small>		
				Note: Excludes fittings or hangers.		
22 13 16 00-0514				Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) <small>(22 13 16 00-0513)</small>		
				Note: Excludes fittings or hangers.		
22 13 16 00-0515	LF			1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	5.19	3.14
				<i>For Work In Restricted Working Space, Add</i>	1.40	
22 13 16 00-0516	LF			2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	6.30	3.74
				<i>For Work In Restricted Working Space, Add</i>	1.68	
22 13 16 00-0517	LF			3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe.....	9.43	5.39
				<i>For Work In Restricted Working Space, Add</i>	2.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0518 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	10.68 2.62	5.84
22 13 16 00-0519 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	14.39 3.28	7.31
22 13 16 00-0520 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	20.52 4.39	9.72
22 13 16 00-0521 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe <i>For Work In Restricted Working Space, Add</i>	28.53 5.85	13.00
22 13 16 00-0522 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) <small>(22 13 16 00-0513)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0523 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.08 1.40	3.14
22 13 16 00-0524 LF 2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.17 1.68	3.74
22 13 16 00-0525 LF 3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.20 2.42	5.39
22 13 16 00-0526 LF 4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.39 2.62	5.84
22 13 16 00-0527 LF 6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	13.84 3.28	7.31
22 13 16 00-0528 LF 8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	19.14 4.39	9.72
22 13 16 00-0529 LF 10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	27.03 5.85	13.00
22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) <small>(22 13 16 00-0504)</small>		
22 13 16 00-0531 Polyvinyl Chloride (PVC) DWV 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0532 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	19.20 5.61	12.50
22 13 16 00-0533 EA 2" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	24.56 7.18	15.94
22 13 16 00-0534 EA 3" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	34.11 9.65	21.40
22 13 16 00-0535 EA 4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	41.52 11.23	24.92
22 13 16 00-0536 EA 6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	73.62 14.59	32.40
22 13 16 00-0537 EA 8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	108.26 19.64	43.63
22 13 16 00-0538 EA 10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	143.71 26.19	58.15
22 13 16 00-0539 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0540 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	20.58 5.61	12.50
22 13 16 00-0541 EA 2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	25.36 7.18	15.94
22 13 16 00-0542 EA 3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	36.15 9.65	21.40
22 13 16 00-0543 EA 4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	45.26 11.23	24.92
22 13 16 00-0544 EA 6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	66.40 14.59	32.40
22 13 16 00-0545 EA 8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	98.78 19.64	43.63
22 13 16 00-0546 EA 10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	143.54 26.19	58.15
22 13 16 00-0547 Polyvinyl Chloride (PVC) DWV 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0548 EA 1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	19.31 5.61	12.50
22 13 16 00-0549 EA 2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	24.55 7.18	15.94
22 13 16 00-0550 EA 3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	33.94 9.65	21.40
22 13 16 00-0551 EA 4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	40.69 11.23	24.92
22 13 16 00-0552 EA 6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	71.50 14.59	32.40
22 13 16 00-0553 EA 8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	103.35 19.64	43.63
22 13 16 00-0554 EA 10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	129.26 26.19	58.15
22 13 16 00-0555 Polyvinyl Chloride (PVC) DWV Sanitary Tees <small>(22 13 16 00-0530)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0556	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	28.94 8.42	18.71
22 13 16 00-0557	EA			2" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	37.18 10.78	23.94
22 13 16 00-0558	EA			3" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	51.61 14.48	32.18
22 13 16 00-0559	EA			4" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	62.50 16.84	37.42
22 13 16 00-0560	EA			6" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	110.02 21.89	48.57
22 13 16 00-0561	EA			8" Polyvinyl Chloride (PVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	146.11 29.47	65.40
22 13 16 00-0562 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0530)						
22 13 16 00-0563	EA			2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	32.27 9.20	20.43
22 13 16 00-0564	EA			2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	35.49 9.99	22.15
22 13 16 00-0565	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	34.56 9.99	22.15
22 13 16 00-0566	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	44.09 12.46	27.69
22 13 16 00-0567	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	46.58 13.25	29.41
22 13 16 00-0568	EA			4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	50.20 14.03	31.13
22 13 16 00-0569	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	58.03 14.82	32.93
22 13 16 00-0570	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	65.25 16.05	35.62
22 13 16 00-0571	EA			6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	103.19 20.21	44.82
22 13 16 00-0572	EA			8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	208.90 25.26	56.05
22 13 16 00-0573	EA			8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	218.54 26.94	59.79
22 13 16 00-0574 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees (22 13 16 00-0530)						
22 13 16 00-0575	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	40.06 11.23	24.92
22 13 16 00-0576	EA			2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	51.77 14.37	31.88
22 13 16 00-0577	EA			3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	75.20 19.31	42.88
22 13 16 00-0578	EA			4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	92.29 22.45	49.84
22 13 16 00-0579 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees (22 13 16 00-0530)						
22 13 16 00-0580	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	46.16 12.80	28.44
22 13 16 00-0581	EA			3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	59.10 15.27	33.90
22 13 16 00-0582	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	65.86 16.84	37.42
22 13 16 00-0583	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	82.79 18.41	40.87
22 13 16 00-0584	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	91.61 20.88	46.32
22 13 16 00-0585 Polyvinyl Chloride (PVC) DWV Reducers (22 13 16 00-0530)						
22 13 16 00-0586	EA			2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	22.30 6.40	14.22
22 13 16 00-0587	EA			3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	28.57 7.63	16.91
22 13 16 00-0588	EA			3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	30.68 8.42	18.71
22 13 16 00-0589	EA			4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	35.87 9.20	20.43
22 13 16 00-0590	EA			4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	40.23 10.44	23.20
22 13 16 00-0591	EA			6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	67.82 12.12	26.94
22 13 16 00-0592	EA			6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	65.04 12.91	28.67
22 13 16 00-0593	EA			8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	111.86 15.44	34.28
22 13 16 00-0594	EA			8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	106.76 17.12	38.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0595 EA 10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	135.62 20.39	45.28
22 13 16 00-0596 EA 10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	127.14 22.92	50.89
22 13 16 00-0597 Polyvinyl Chloride (PVC) DWV P-Traps (22 13 16 00-0530)		
22 13 16 00-0598 EA 1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	29.78 8.42	18.71
22 13 16 00-0599 EA 2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	38.26 10.78	23.94
22 13 16 00-0600 EA 3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	59.92 14.48	32.18
22 13 16 00-0601 EA 4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	83.88 16.84	37.42
22 13 16 00-0602 EA 6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	122.04 21.89	48.57
22 13 16 00-0603 Polyvinyl Chloride (PVC) DWV Closet Flanges (22 13 16 00-0530)		
22 13 16 00-0604 EA 4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	40.71 11.23	24.92
22 13 16 00-0605 EA 4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	37.10 10.44	23.20
22 13 16 00-0606 Polyvinyl Chloride (PVC) DWV Wyes (22 13 16 00-0530)		
22 13 16 00-0607 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	29.82 8.42	18.71
22 13 16 00-0608 EA 2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	37.68 10.78	23.94
22 13 16 00-0609 EA 3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	52.26 14.48	32.18
22 13 16 00-0610 EA 4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	63.57 16.84	37.42
22 13 16 00-0611 EA 6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	106.02 21.89	48.57
22 13 16 00-0612 EA 8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	138.51 29.47	65.40
22 13 16 00-0613 EA 10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	183.83 39.29	87.18
22 13 16 00-0614 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0530)		
22 13 16 00-0615 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	33.81 9.20	20.43
22 13 16 00-0616 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	36.40 9.99	22.15
22 13 16 00-0617 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	46.41 12.46	27.69
22 13 16 00-0618 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	47.24 13.25	29.41
22 13 16 00-0619 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	54.51 14.03	31.13
22 13 16 00-0620 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	55.37 14.82	32.93
22 13 16 00-0621 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	60.48 16.05	35.62
22 13 16 00-0622 EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	94.72 19.42	43.10
22 13 16 00-0623 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	105.70 20.21	44.82
22 13 16 00-0624 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	118.72 25.26	56.05
22 13 16 00-0625 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	134.99 26.94	59.79
22 13 16 00-0626 EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	144.93 31.81	70.57
22 13 16 00-0627 EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	162.11 33.49	74.32
22 13 16 00-0628 EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	179.77 36.02	79.93
22 13 16 00-0629 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0530)		
22 13 16 00-0630 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	41.16 11.23	24.92
22 13 16 00-0631 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	52.70 14.37	31.88
22 13 16 00-0632 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.76 19.31	42.88
22 13 16 00-0633 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	100.00 22.45	49.84



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0634	EA			6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	154.25 29.18	64.81
22 13 16 00-0635	EA			8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	195.27 39.29	87.26
22 13 16 00-0636	EA			10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	277.07 52.38	116.30
22 13 16 00-0637				Polyvinyl Chloride (PVC) DWV Reducing Double Wyes <small>(22 13 16 00-0530)</small>		
22 13 16 00-0638	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	47.05 12.80	28.44
22 13 16 00-0639	EA			3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	61.78 15.27	33.90
22 13 16 00-0640	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.37 16.84	37.42
22 13 16 00-0641	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	76.44 18.41	40.87
22 13 16 00-0642	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	89.51 20.88	46.32
22 13 16 00-0643	EA			6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	118.78 25.82	57.32
22 13 16 00-0644	EA			8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	141.00 30.87	68.55
22 13 16 00-0645	EA			8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	164.20 34.24	76.03
22 13 16 00-0646	EA			10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	177.24 37.42	83.07
22 13 16 00-0647	EA			10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	206.61 40.79	90.55
22 13 16 00-0648	EA			10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	239.33 45.83	101.77
22 13 16 00-0649				Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0650	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	30.91 8.42	18.71
22 13 16 00-0651	EA			2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	39.39 10.78	23.94
22 13 16 00-0652	EA			3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	57.39 14.48	32.18
22 13 16 00-0653	EA			4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	75.08 16.84	37.42
22 13 16 00-0654				Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0655	EA			2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	40.49 9.99	22.15
22 13 16 00-0656	EA			3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.02 12.46	27.69
22 13 16 00-0657	EA			3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.96 13.25	29.41
22 13 16 00-0658	EA			4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	66.77 14.82	32.93
22 13 16 00-0659	EA			4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.32 16.05	35.62
22 13 16 00-0660				Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0661	EA			1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	42.01 11.23	24.92
22 13 16 00-0662	EA			2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	52.80 14.37	31.88
22 13 16 00-0663	EA			3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	72.86 19.31	42.88
22 13 16 00-0664	EA			4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	119.68 22.45	49.84
22 13 16 00-0665	EA			6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	260.07 29.18	64.81
22 13 16 00-0666				Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 13 16 00-0530)</small>		
22 13 16 00-0667	EA			2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	57.67 12.80	28.44
22 13 16 00-0668	EA			3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	81.55 16.84	37.42
22 13 16 00-0669	EA			4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	108.74 18.41	40.87
22 13 16 00-0670	EA			4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	111.05 20.88	46.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0671 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	192.41 25.82	57.32
22 13 16 00-0672 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug (22 13 16 00-0530)		
22 13 16 00-0673 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	44.27 10.78	23.94
22 13 16 00-0674 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	64.23 14.48	32.18
22 13 16 00-0675 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	83.89 16.84	37.42
22 13 16 00-0676 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	153.62 21.89	48.57
22 13 16 00-0677 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	198.64 29.47	65.40
22 13 16 00-0678 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	264.15 39.29	87.18
22 13 16 00-0679 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug (22 13 16 00-0530)		
22 13 16 00-0680 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	20.15 5.61	12.50
22 13 16 00-0681 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	26.27 7.18	15.94
22 13 16 00-0682 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	35.77 9.65	21.40
22 13 16 00-0683 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	45.85 11.23	24.92
22 13 16 00-0684 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	71.77 14.59	32.40
22 13 16 00-0685 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	121.87 19.64	43.63
22 13 16 00-0686 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	194.54 26.18	58.15
22 13 16 00-0687 Polyvinyl Chloride (PVC) Couplings (22 13 16 00-0530)		
22 13 16 00-0688 EA 1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	19.14 5.61	12.50
22 13 16 00-0689 EA 2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	24.42 7.18	15.94
22 13 16 00-0690 EA 3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	33.41 9.65	21.40
22 13 16 00-0691 EA 4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	39.44 11.23	24.92
22 13 16 00-0692 EA 6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	59.79 14.59	32.40
22 13 16 00-0693 EA 8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	97.70 19.64	43.63
22 13 16 00-0694 EA 10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	137.25 26.19	58.15
22 13 16 00-0695 Polyvinyl Chloride (PVC) Male Adapters (22 13 16 00-0530)		
22 13 16 00-0696 EA 1-1/2" Polyvinyl Chloride (PVC) Male Adapters	9.79	6.21
22 13 16 00-0697 EA 2" Polyvinyl Chloride (PVC) Male Adapters	13.05	8.01
22 13 16 00-0698 EA 3" Polyvinyl Chloride (PVC) Male Adapters	19.04	10.70
22 13 16 00-0699 EA 4" Polyvinyl Chloride (PVC) Male Adapters	25.48	12.50
22 13 16 00-0700 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe (22 13 16 00-0504)		
Note: In place piping.		
22 13 16 00-0701 EA 1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	5.49	
22 13 16 00-0702 EA 2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.04	
22 13 16 00-0703 EA 3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.68	
22 13 16 00-0704 EA 4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.37	
22 13 16 00-0705 EA 6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.81	
22 13 16 00-0706 EA 8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.75	
22 13 16 00-0707 EA 10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.15	
22 13 16 00-0708 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings (22 13 16)		
Note: Aboveground installation.		
22 13 16 00-0709 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies (22 13 16 00-0708)		
Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0710 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	15.60 4.31	3.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0711 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	17.29 4.77	3.74
22 13 16 00-0712 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	22.28 5.92	5.39
22 13 16 00-0713 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	25.12 6.58	5.84
22 13 16 00-0714 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	36.85 8.75	7.48
22 13 16 00-0715 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) <small>(22 13 16 00-0708)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0716 LF 1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	5.12 1.40	3.14
22 13 16 00-0717 LF 2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	6.22 1.68	3.74
22 13 16 00-0718 LF 3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.31 2.42	5.39
22 13 16 00-0719 LF 4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	10.53 2.62	5.84
22 13 16 00-0720 LF 6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	14.61 3.29	7.31
22 13 16 00-0721 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0708)</small>		
22 13 16 00-0722 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0723 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	20.63 5.61	12.50
22 13 16 00-0724 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	26.68 7.18	15.94
22 13 16 00-0725 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	40.65 9.65	21.40
22 13 16 00-0726 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	54.01 11.23	24.92
22 13 16 00-0727 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	110.55 14.59	32.40
22 13 16 00-0728 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0729 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	23.29 5.61	12.50
22 13 16 00-0730 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	29.28 7.18	15.94
22 13 16 00-0731 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	47.10 9.65	21.40
22 13 16 00-0732 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	66.85 11.23	24.92
22 13 16 00-0733 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0721)</small>		
22 13 16 00-0734 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	20.99 5.61	12.50
22 13 16 00-0735 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	26.43 7.18	15.94
22 13 16 00-0736 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	39.32 9.65	21.40
22 13 16 00-0737 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	51.56 11.23	24.92
22 13 16 00-0738 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	113.12 14.59	32.40
22 13 16 00-0739 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0721)</small>		
22 13 16 00-0740 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	31.34 8.42	18.71
22 13 16 00-0741 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	40.84 10.78	23.94
22 13 16 00-0742 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	60.81 14.48	32.18
22 13 16 00-0743 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	80.23 16.84	37.42



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0744	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	203.61 21.89	48.57
22 13 16 00-0745			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0746	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	35.90 9.20	20.43
22 13 16 00-0747	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	40.63 9.99	22.15
22 13 16 00-0748	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	38.02 9.99	22.15
22 13 16 00-0749	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	51.11 12.46	27.69
22 13 16 00-0750	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	53.82 13.25	29.41
22 13 16 00-0751	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	81.51 14.03	31.13
22 13 16 00-0752	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	81.83 14.82	32.93
22 13 16 00-0753	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	91.53 16.05	35.62
22 13 16 00-0754	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	213.42 20.21	44.82
22 13 16 00-0755			Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0756	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	47.37 11.23	24.92
22 13 16 00-0757	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	62.42 14.37	31.88
22 13 16 00-0758	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	105.13 19.31	42.88
22 13 16 00-0759	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	140.19 22.45	49.84
22 13 16 00-0760			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees (22 13 16 00-0721)		
22 13 16 00-0761	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	53.94 12.80	28.44
22 13 16 00-0762	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	71.67 15.27	33.90
22 13 16 00-0763	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	80.72 16.84	37.42
22 13 16 00-0764	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	114.09 17.98	39.90
22 13 16 00-0765	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	123.61 20.39	45.23
22 13 16 00-0766			Acrylonitrile Butadiene Styrene (ABS) DWV Wyes (22 13 16 00-0721)		
22 13 16 00-0767	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	34.65 8.42	18.71
22 13 16 00-0768	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	42.69 10.78	23.94
22 13 16 00-0769	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	63.25 14.48	32.18
22 13 16 00-0770	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	84.05 16.84	37.42
22 13 16 00-0771	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	175.40 21.89	48.57
22 13 16 00-0772			Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes (22 13 16 00-0721)		
22 13 16 00-0773	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	42.44 9.20	20.43
22 13 16 00-0774	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	44.94 9.99	22.15
22 13 16 00-0775	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	55.79 13.25	29.41
22 13 16 00-0776	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	71.83 14.82	32.93
22 13 16 00-0777	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	79.71 16.05	35.62
22 13 16 00-0778	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	151.99 20.21	44.82
22 13 16 00-0779			Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes (22 13 16 00-0721)		
22 13 16 00-0780	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	51.44 11.23	24.92



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0781	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	65.94 14.37	31.88
	22 13 16 00-0782	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	110.98 19.31	42.88
	22 13 16 00-0783	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	169.31 22.45	49.84
22 13 16 00-0784				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0785	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	59.14 12.80	28.44
	22 13 16 00-0786	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	83.78 15.27	33.90
	22 13 16 00-0787	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	90.75 16.84	37.42
	22 13 16 00-0788	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	118.00 18.41	40.87
	22 13 16 00-0789	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	144.40 20.88	46.32
22 13 16 00-0790				Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0791	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	38.59 8.42	18.71
	22 13 16 00-0792	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	49.61 10.78	23.94
	22 13 16 00-0793	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.82 14.48	32.18
	22 13 16 00-0794	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	99.08 16.44	36.54
22 13 16 00-0795				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0796	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	44.38 9.99	22.15
	22 13 16 00-0797	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	67.78 12.46	27.69
	22 13 16 00-0798	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	60.55 13.25	29.41
	22 13 16 00-0799	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	85.94 14.82	32.93
	22 13 16 00-0800	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	93.07 16.05	35.62
22 13 16 00-0801				Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0802	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	72.68 14.37	31.88
	22 13 16 00-0803	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	121.50 19.31	42.88
22 13 16 00-0804				Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0805	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	62.60 12.80	28.44
	22 13 16 00-0806	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	112.31 16.84	37.42
22 13 16 00-0807				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0808	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	40.45 8.42	18.71
	22 13 16 00-0809	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	51.46 10.78	23.94
	22 13 16 00-0810	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	74.97 14.48	32.18
	22 13 16 00-0811	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	106.04 16.84	37.42
22 13 16 00-0812				Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0721)</small>		
	22 13 16 00-0813	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	22.96 5.61	12.50
	22 13 16 00-0814	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	30.79 7.18	15.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0815	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	42.71 9.65	21.40
22 13 16 00-0816	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	62.22 11.23	24.92
22 13 16 00-0817	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	116.72 14.59	32.40
22 13 16 00-0818			Acrylonitrile Butadiene Styrene (ABS) DWV Couplings (22 13 16 00-0721)		
22 13 16 00-0819	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	20.17 5.61	12.50
22 13 16 00-0820	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	25.48 7.18	15.94
22 13 16 00-0821	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	36.38 9.65	21.40
22 13 16 00-0822	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	44.34 11.23	24.92
22 13 16 00-0823	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings..... <i>For Work In Restricted Working Space, Add</i>	82.85 14.59	32.40
22 13 16 00-0824			Acrylonitrile Butadiene Styrene (ABS) DWV Reducers (22 13 16 00-0721)		
22 13 16 00-0825	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	25.03 6.40	14.22
22 13 16 00-0826	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	37.20 7.63	16.91
22 13 16 00-0827	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	37.92 8.42	18.71
22 13 16 00-0828	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	50.14 9.20	20.43
22 13 16 00-0829	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	55.16 10.44	23.20
22 13 16 00-0830			Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps (22 13 16 00-0721)		
22 13 16 00-0831	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	35.25 8.42	18.71
22 13 16 00-0832	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	47.56 10.78	23.94
22 13 16 00-0833	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	101.61 14.48	32.18
22 13 16 00-0834	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps..... <i>For Work In Restricted Working Space, Add</i>	165.40 16.84	37.42
22 13 16 00-0835			Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges (22 13 16 00-0721)		
22 13 16 00-0836	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	47.46 11.23	24.92
22 13 16 00-0837	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges..... <i>For Work In Restricted Working Space, Add</i>	44.22 10.44	23.20
22 13 16 00-0838			Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters (22 13 16 00-0721)		
22 13 16 00-0839	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	11.23 2.81	6.21
22 13 16 00-0840	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	15.29 3.59	8.01
22 13 16 00-0841	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	25.74 4.83	10.70
22 13 16 00-0842	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters..... <i>For Work In Restricted Working Space, Add</i>	40.05 5.61	12.50
22 13 16 00-0843			Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings (22 13 16 00-0721)		
22 13 16 00-0844	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	22.86 6.40	14.22
22 13 16 00-0845	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.77 7.63	16.91
22 13 16 00-0846	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	33.35 8.42	18.71
22 13 16 00-0847	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	49.87 9.20	20.43
22 13 16 00-0848	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	45.92 10.44	23.20
22 13 16 00-0849	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing..... <i>For Work In Restricted Working Space, Add</i>	85.62 12.60	27.99
22 13 16 00-0850			Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings (22 13 16 00-0721)		
22 13 16 00-0851	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling..... <i>For Work In Restricted Working Space, Add</i>	25.79 5.61	12.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0852 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	31.49 7.18	15.94
22 13 16 00-0853 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	40.20 9.65	21.40
22 13 16 00-0854 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling <i>For Work In Restricted Working Space, Add</i>	45.91 11.23	24.92
22 13 16 00-0855 Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0708)</small> Note: In place piping.		
22 13 16 00-0856 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	5.49	
22 13 16 00-0857 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.04	
22 13 16 00-0858 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.68	
22 13 16 00-0859 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	10.37	
22 13 16 00-0860 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	14.81	
22 13 16 00-0861 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16)</small>		
22 13 16 00-0862 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0863 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.83	3.25
22 13 16 00-0864 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	9.95	3.45
22 13 16 00-0865 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	10.48	3.65
22 13 16 00-0866 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	11.99	3.87
22 13 16 00-0867 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	13.46	4.07
22 13 16 00-0868 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	16.91	4.27
22 13 16 00-0869 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	20.36	4.47
22 13 16 00-0870 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	27.33	4.87
22 13 16 00-0871 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	35.81	5.69
22 13 16 00-0872 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Couplings <small>(22 13 16 00-0861)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps. Fernco 1056.		
22 13 16 00-0873 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.47	3.45
22 13 16 00-0874 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	10.66	3.65
22 13 16 00-0875 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	13.96	3.87
22 13 16 00-0876 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	12.50	3.87
22 13 16 00-0877 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	17.22	4.07
22 13 16 00-0878 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	16.47	4.07
22 13 16 00-0879 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	15.09	4.07
22 13 16 00-0880 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	21.93	4.27
22 13 16 00-0881 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	19.81	4.27
22 13 16 00-0882 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	27.15	4.47
22 13 16 00-0883 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	23.99	4.47
22 13 16 00-0884 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	24.87	4.47
22 13 16 00-0885 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	48.84	8.12
22 13 16 00-0886 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	40.06	8.12
22 13 16 00-0887 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Reducing Pipe Coupling	50.70	9.14
22 13 16 00-0888 Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Caps <small>(22 13 16)</small> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp. Fernco QC.		
22 13 16 00-0889 EA 1-1/2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap	36.28	21.95
22 13 16 00-0890 EA 2" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	38.96	23.33
22 13 16 00-0891 EA 3" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	45.16	26.75
22 13 16 00-0892 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	59.57	35.36
22 13 16 00-0893 EA 5" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	71.44	42.28
22 13 16 00-0894 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	82.23	48.78
22 13 16 00-0895 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Cap.....	111.01	61.79



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0896		Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (22 13 16) Note: Josam 26450 Series.		
22 13 16 00-0897	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	53.99	16.84
22 13 16 00-0898	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	57.74	18.71
22 13 16 00-0899	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	83.48	24.33
22 13 16 00-0900	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	97.50	28.06
22 13 16 00-0901	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	112.96	31.81
22 13 16 00-0902	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	175.60	35.55
22 13 16 00-0903		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (22 13 16) Note: Josam 26440 Series		
22 13 16 00-0904	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	96.81	16.84
22 13 16 00-0905	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	100.56	18.71
22 13 16 00-0906	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	121.22	24.33
22 13 16 00-0907	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	149.75	28.06
22 13 16 00-0908	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	199.33	31.81
22 13 16 00-0909	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess.....	206.81	35.55
22 13 16 00-0910		Cast Iron Vandal Proof Hooded Vent Cap (22 13 16) Note: Includes counterflashing collar, deep protective hood and recessed securing screws. Josam 26700 Series.		
22 13 16 00-0911	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	173.01	16.84
22 13 16 00-0912	EA	2" Cast Iron Vandal Proof Hooded Vent Cap.....	176.76	18.71
22 13 16 00-0913	EA	3" Cast Iron Vandal Proof Hooded Vent Cap.....	205.40	24.33
22 13 16 00-0914	EA	4" Cast Iron Vandal Proof Hooded Vent Cap.....	231.76	28.06
22 13 16 00-0915	EA	5" Cast Iron Vandal Proof Hooded Vent Cap.....	269.73	31.81
22 13 16 00-0916	EA	6" Cast Iron Vandal Proof Hooded Vent Cap.....	295.35	35.55
22 13 19		Sanitary Waste Piping Specialties (22 13)		
22 13 19 13		Sanitary Drains (22 13 19)		
22 13 19 13-0001		Round Top Floor Drains (22 13 19 13)		
22 13 19 13-0002	EA	6" Round Top Floor Drain With 1-1/2" Outlet, Bronze Top.....	269.37	80.45
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	40.00	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0003	EA	6" Round Top Floor Drain With 2" Outlet, Bronze Top.....	298.53	90.18
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	40.00	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0004	EA	6" Round Top Floor Drain With 3" Outlet, Bronze Top.....	308.06	99.76
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	40.00	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0005	EA	6" Round Top Floor Drain With 4" Outlet, Bronze Top.....	328.61	110.08
		For Vandal Proof Screws, Add	11.00	
		For Galvanized Cast Iron Parts, Add	40.00	
		For Sediment Bucket, Add	22.50	
22 13 19 13-0006	EA	9" Round Top Floor Drain With 2" Outlet, Cast Iron Top.....	283.83	90.18
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0007	EA	9" Round Top Floor Drain With 3" Outlet, Cast Iron Top.....	303.06	99.76
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0008	EA	9" Round Top Floor Drain With 4" Outlet, Cast Iron Top.....	323.61	110.08
		For Vandal Proof Screws, Add	30.50	
		For Ductile Iron Grate, Add	48.00	
		For Cast Iron Dome Grate, Add	17.00	
		For Nikaloy Dome Grate, Add	178.50	
		For Bronze Dome Grate, Add	143.00	
		For Cast Iron Extension Collar, Each 3", Add	57.50	
		For Galvanized Extension Collar, Each 3", Add	117.50	
		For Galvanized Cast Iron Parts, Add	87.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0009 EA 9" Round Top Floor Drain With 2" Outlet, Nikaloy Top	386.83	90.18
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0010 EA 9" Round Top Floor Drain With 3" Outlet, Nikaloy Top	406.06	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0011 EA 9" Round Top Floor Drain With 4" Outlet, Nikaloy Top	426.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0012 EA 9" Round Top Floor Drain With 2" Outlet, Bronze Top	371.83	90.18
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0013 EA 9" Round Top Floor Drain With 3" Outlet, Bronze Top	390.96	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0014 EA 9" Round Top Floor Drain With 4" Outlet, Bronze Top	411.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0015 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Cast Iron Top	395.74	90.10
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0016 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Cast Iron Top	414.96	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0017 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Cast Iron Top	435.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0018 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Nikaloy Top	549.74	90.10
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0019 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Nikaloy Top	568.96	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0020 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Nikaloy Top	589.61	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0021 EA 12-5/8" Round Top Floor Drain With 2" Outlet, Bronze Top.....	529.24	90.10
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0022 EA 12-5/8" Round Top Floor Drain With 3" Outlet, Bronze Top.....	548.46	99.76
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0023 EA 12-5/8" Round Top Floor Drain With 4" Outlet, Bronze Top.....	569.11	110.08
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0024 Square Or Rectangular Top Drains (22 13 19 13)		
22 13 19 13-0025 EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	312.24	90.10
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0026 EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	331.67	99.83
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0027 EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	352.11	110.08
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0028 EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	327.24	90.10
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0029 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	346.67	99.83
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0030 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	367.11	110.08
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	
22 13 19 13-0031 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	393.24	90.10
For Vandal Proof Screws, Add	11.00	
For Galvanized Cast Iron Parts, Add	40.00	
For Sediment Bucket, Add	22.50	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22	13	19	13-0032	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	412.67 11.00 40.00 22.50	99.83
22	13	19	13-0033	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	433.11 11.00 40.00 22.50	110.08
22	13	19	13-0034	EA 5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	301.24 11.00 40.00 22.50	90.10
22	13	19	13-0035	EA 5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	320.67 11.00 40.00 22.50	99.83
22	13	19	13-0036	EA 5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	341.11 11.00 40.00 22.50	110.08
22	13	19	13-0037	EA 6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	320.24 11.00 40.00 22.50	90.10
22	13	19	13-0038	EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	339.67 11.00 40.00 22.50	99.83
22	13	19	13-0039	EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	360.11 11.00 40.00 22.50	110.08
22	13	19	13-0040	EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	373.74 11.00 40.00 22.50	90.10
22	13	19	13-0041	EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	393.17 11.00 40.00 22.50	99.83
22	13	19	13-0042	EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	413.61 11.00 40.00 22.50	110.08
22	13	19	13-0043	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	779.17 212.00 48.50 76.00	99.83
22	13	19	13-0044	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	799.61 212.00 48.50 76.00	110.08
22	13	19	13-0045	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	942.17 212.00 48.50 76.00	99.83
22	13	19	13-0046	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	962.61 212.00 48.50 76.00	110.08
22	13	19	13-0047	EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	922.67 212.00 48.50 76.00	99.83
22	13	19	13-0048	EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	943.11 212.00 48.50 76.00	110.08
22	13	19	13-0049	EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	397.24 11.00 120.94 22.50	90.10
22	13	19	13-0050	EA 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	416.67 11.00 120.94 22.50	99.83
22	13	19	13-0051	EA 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	437.11 11.00 120.94 22.50	110.08
22	13	19	13-0052	EA 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	474.74 11.00 120.94 22.50	90.10

22 Plumbing**22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0053	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	494.17	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0054	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	514.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0055	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	492.74	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0056	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	512.17	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0057	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	532.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0058	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	632.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0059	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	651.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0060	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	672.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0061	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top.....	381.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0062	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top.....	400.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0063	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top.....	421.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0064	EA		5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top.....	447.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0065	EA		5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top.....	466.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0066	EA		5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top.....	487.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0067	EA		5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top.....	465.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0068	EA		5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top.....	484.67	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0069	EA		5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top.....	505.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0070	EA		5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top.....	578.74	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0071	EA		5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top.....	598.17	99.83
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0072	EA		5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top.....	618.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Rough Bronze Body, Add</i>	120.94	
			<i>For Sediment Bucket, Add</i>	22.50	

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0074	EA		7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top.....	368.44	80.45
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0075	EA		7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top.....	387.74	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0076	EA		7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top.....	406.96	99.76
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0077	EA		7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top.....	427.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0078	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top.....	500.24	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0079	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top.....	519.46	99.76
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0080	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	540.11	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0081	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	480.74	90.10
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0082	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	499.96	99.76
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0083	EA		7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	520.61	110.08
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Primer Tap, Add</i>	15.10	
			<i>For Galvanized Cast Iron Parts, Add</i>	40.00	
			<i>For Satin Finish Bronze Top, Deduct</i>	-19.50	
22 13 19 13-0084			Floor Drain With Sediment Bucket Bottom Outlet <small>(22 13 19 13)</small>		
22 13 19 13-0085	EA		12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	654.37	80.45
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0086	EA		12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	673.74	90.10
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0087	EA		12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	692.96	99.76
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0088	EA		12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	713.61	110.08
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0089	EA		12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	734.90	120.71
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	247.00	
			<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0090	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	711.74	90.10
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	
22 13 19 13-0091	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	731.17	99.83
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	182.50	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0092	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	751.61	110.08
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	772.90	120.71
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	486.24	90.10
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	505.67	99.83
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	526.11	110.08
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	547.40	120.71
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	672.74	90.10
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	692.17	99.83
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	712.61	110.08
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate.....	733.90	120.71
			For Vandal Proof Screws, Add	29.50	
			For Primer Tap, Add	31.00	
			For Aluminum Bucket, Add	77.50	
			For Galvanized Cast Iron Parts, Add	182.50	
22 13 19 13-0102			Other Drains (22 13 19 13)		
22 13 19 13-0103			Shower Drains (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	29.14	8.12
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	32.11	8.12
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	68.17	16.26
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	85.21	16.26
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			Acid Resistant Floor Drains (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	370.37	80.45
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	389.74	90.10
			For Vandal Proof Screws, Add	30.50	
			For Galvanized Cast Iron Parts, Add	87.50	
			For Primer Tap, Add	33.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	408.96	99.76
<i>For Vandal Proof Screws, Add</i>	30.50	
<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
<i>For Primer Tap, Add</i>	33.50	
22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)		
22 13 19 13-0113 EA 1-1/2" Drain, 3" Sink Opening Lever Drain.....	161.45	54.25
22 13 19 13-0114 EA 2" Drain, 3" Sink Opening Lever Drain.....	172.68	59.87
22 13 19 13-0115 EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain	161.45	54.25
22 13 19 13-0116 EA 2" Drain, 3-1/2" Sink Opening Lever Drain.....	172.68	59.87
22 13 19 13-0117 EA 1-1/2" Drain, 3" Sink Opening Twist Drain	161.45	54.25
22 13 19 13-0118 EA 2" Drain, 3" Sink Opening Twist Drain	172.68	59.87
22 13 19 13-0119 EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain.....	161.45	54.25
22 13 19 13-0120 EA 2" Drain, 3-1/2" Sink Opening Twist Drain	172.68	59.87
22 13 19 13-0121 EA 1-1/2"-2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	213.53	59.87
22 13 19 13-0122 Floor Receptor (22 13 19 13)		
22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122)		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	442.36	90.18
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	461.88	99.90
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	482.11	110.08
<i>For Flange With Seepage Holes, Add</i>	58.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	97.00	
<i>For Trap Primer Connection, Add</i>	38.00	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	33.50	
<i>For White Acid Resistant Bucket, Add</i>	47.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	62.50	
22 13 19 13-0127 Square Top Floor Receptors (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	484.94	80.45
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	504.33	90.18
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	523.46	99.76
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	544.11	110.08
<i>For Flange With Seepage Holes, Add</i>	37.50	
<i>For Flange With Seepage Holes And Clamp Collar, Add</i>	69.00	
<i>For Trap Primer Connection, Add</i>	39.50	
<i>For Full Grate With 2" Square Center Opening, Add</i>	36.00	
<i>For Vandal Proof Secured Grate, Add</i>	15.50	
<i>For White Acid Resistant Bucket, Add</i>	88.00	
<i>For Stainless Steel Liner For Bucket, Add</i>	97.00	



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT UNIT COST
DEMOLITION UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19	13-0132		Floor Drain Accessories <small>(22 13 19 13)</small>		
22 13 19	13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H)..... Note: Prevents emission of sewer gases.	60.78	9.36
22 13 19	13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22)..... Note: Prevents emission of sewer gases.	50.26	9.36
22 13 19	13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33)..... Note: Prevents emission of sewer gases.	54.47	9.36
22 13 19	13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP)..... Note: Prevents emission of sewer gases.	64.98	9.36
22 13 19	13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP)..... Note: Prevents emission of sewer gases.	58.67	9.36
22 13 19	13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02)..... Note: Prevents emission of sewer gases.	81.97	9.36
22 13 19	13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03)..... Note: Prevents emission of sewer gases.	90.44	9.36
22 13 19	13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04)..... Note: Prevents emission of sewer gases.	111.46	9.36

22 13 19 26 Grease Removal Devices (22 13 19)

22 13 19	26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19	26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19	26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60102H.	691.44	56.13
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,270.65	
22 13 19	26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60103H.	804.99	126.28
			<i>For Flange And Clamp Device, Add</i>	344.35	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,339.73	
22 13 19	26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60104H.	1,129.65	140.31
			<i>For Flange And Clamp Device, Add</i>	353.71	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,462.24	
22 13 19	26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60105H.	1,359.47	154.34
			<i>For Flange And Clamp Device, Add</i>	363.06	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,579.31	
22 13 19	26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60106H.	1,520.62	168.38
			<i>For Flange And Clamp Device, Add</i>	402.82	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,641.66	
22 13 19	26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60107H.	1,863.97	196.45
			<i>For Flange And Clamp Device, Add</i>	432.72	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,802.20	
22 13 19	26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60108H.	2,421.00	224.51
			<i>For Flange And Clamp Device, Add</i>	492.39	
			<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,915.71	
22 13 19	26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60109H.	4,697.08	252.57
			<i>For Flange And Clamp Device, Add</i>	712.38	
22 13 19	26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60110H.	5,297.25	293.92
			<i>For Flange And Clamp Device, Add</i>	803.95	
22 13 19	26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60213A.	6,563.96	470.27
			<i>For Flange And Clamp Device, Add</i>	1,081.51	
22 13 19	26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60214A.	9,396.50	587.83
			<i>For Flange And Clamp Device, Add</i>	1,289.17	
22 13 19	26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60215A.	10,966.36	705.40
			<i>For Flange And Clamp Device, Add</i>	1,680.51	
22 13 19	26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60216A.	14,224.76	822.96
			<i>For Flange And Clamp Device, Add</i>	1,996.65	
22 13 19	26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60217A.	18,370.84	940.53
			<i>For Flange And Clamp Device, Add</i>	2,348.30	
22 13 19	26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19	26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	1,935.03	154.34
22 13 19	26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	2,488.59	196.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0020 EA 50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	4,072.11	224.51
22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023 EA 7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	1,692.86	56.13
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,270.65	
22 13 19 26-0024 EA 10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	1,988.81	126.28
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,339.73	
22 13 19 26-0025 EA 15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,126.71	140.31
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,462.24	
22 13 19 26-0026 EA 20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	2,589.80	154.34
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,579.31	
22 13 19 26-0027 EA 25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,116.13	168.38
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,641.66	
22 13 19 26-0028 EA 35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	3,229.48	196.45
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,802.20	
22 13 19 26-0029 EA 50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	3,686.58	224.51
<i>For Steel Enclosure Cabinet With Non Skid Cover, Add</i>	1,915.71	
22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031 EA 35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	4,316.65	196.45
22 13 19 26-0032 Automatic Cleaning Stainless Steel Grease Interceptor <small>(22 13 19 26)</small> Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer.		
22 13 19 26-0033 EA 20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 20 Greasestopper.	3,715.78	154.34
22 13 19 26-0034 EA 25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Lowe Engineering 25 Greasestopper.	4,311.11	168.38
22 13 19 26-0035 Precast Concrete Grease Interceptor <small>(22 13 19 26)</small> Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0036 EA 1,000 Gallon Pre-Cast Grease Interceptor	3,719.53	269.64
22 13 19 26-0037 EA 1,250 Gallon Pre-Cast Grease Interceptor	4,256.20	269.64
22 13 19 26-0038 EA 1,500 Gallon Pre-Cast Grease Interceptor	4,830.68	308.26
22 13 19 26-0039 EA 2,000 Gallon Pre-Cast Grease Interceptor	5,495.97	435.34
22 13 19 26-0040 EA 2,500 Gallon Pre-Cast Grease Interceptor	6,186.72	585.72
22 13 19 26-0041 EA 4,000 Gallon Pre-Cast Grease Interceptor	9,280.97	770.62
22 13 19 26-0042 EA 5,000 Gallon Pre-Cast Grease Interceptor	11,911.29	1,263.70
22 13 19 26-0043 Coated Steel Manual Oil Interceptor <small>(22 13 19 26)</small> Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0044 EA 10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	1,770.40	213.81
22 13 19 26-0045 EA 15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,350.97	254.05
22 13 19 26-0046 EA 20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	2,850.97	312.58
22 13 19 26-0047 EA 25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,096.44	338.59
22 13 19 26-0048 EA 35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,678.00	369.49
22 13 19 26-0049 EA 50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,768.58	406.48
22 13 19 26-0050 EA 75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	7,786.28	467.73
22 13 19 26-0051 EA 100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,576.26	575.49
22 13 19 26-0052 EA 150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,447.72	623.75
22 13 19 26-0053 EA 200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	14,495.53	748.35
22 13 19 26-0054 EA 250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	16,664.25	804.49
22 13 19 26-0055 EA 350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	20,932.63	959.40
22 13 19 26-0056 EA 400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	24,904.38	786.15
22 13 19 26-0057 EA 500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	29,506.31	935.44
22 13 19 33 Backwater Valves <small>(22 13 19)</small>		
22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves <small>(22 13 19 33)</small>		
22 13 19 33-0002 EA 2" Cast Iron Body Terminal Backwater Valve	220.86	21.48
22 13 19 33-0003 EA 3" Cast Iron Body Terminal Backwater Valve	229.09	27.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0004 EA 4" Cast Iron Body Terminal Backwater Valve	328.88	35.92
22 13 19 33-0005 EA 6" Cast Iron Body Terminal Backwater Valve	862.65	51.08
22 13 19 33-0006 EA 8" Cast Iron Body Terminal Backwater Valve	1,057.42	67.24
22 13 19 33-0007 EA 10" Cast Iron Body Terminal Backwater Valve	2,999.63	82.94
22 13 19 33-0008 EA 12" Cast Iron Body Terminal Backwater Valve	3,405.34	107.57
22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve (22 13 19 33)		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010 EA 2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	554.24	51.22
22 13 19 33-0011 EA 3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	833.87	62.12
22 13 19 33-0012 EA 4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,033.85	80.08
22 13 19 33-0013 EA 6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,439.99	92.81
22 13 19 33-0014 EA 8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,982.27	109.99
22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve (22 13 19 33)		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016 EA 3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,450.90	81.05
22 13 19 33-0017 EA 4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	1,491.01	107.77
22 13 19 33-0018 EA 5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,163.78	137.45
22 13 19 33-0019 EA 6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve.....	2,187.68	153.24
22 13 19 33-0020 Polyvinyl Chloride (PVC) Backwater Sewer Line Valve (22 13 19 33)		
Note: Oatey.		
22 13 19 33-0021 EA 3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900).....	81.59	27.02
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	99.20	35.92
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	269.93	51.08
22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	188.58	54.03
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	251.11	71.84
Note: Includes valve body, flapper assembly and collar.		
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)	427.72	102.16
Note: Includes valve body, flapper assembly and collar.		
22 13 19 36 Air-Admittance Valves (22 13 19)		
22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	90.19	10.48
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	106.48	10.48
22 13 23 Sanitary Waste Interceptors (22 13)		
22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180)	671.25	105.97
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184)	672.05	105.97
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0).....	932.69	105.97
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0).....	932.69	105.97
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	991.70	105.97
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	284.92	36.25
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel	289.55	38.61
For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0010 Sediment Strainers (22 13 23)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side	111.69	49.51
22 13 29 Sanitary Sewerage Pumps (22 13)		
Note: Includes extra set of gaskets, bearings and seals.		
22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)		
22 13 29 13-0001 Vertical Non-Clog Sewage Pumps (22 13 29 13)		
22 13 29 13-0002 1-1/2" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,408.45	897.73
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	8,814.92	897.73
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,221.39	897.73
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sewage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	9,609.10	897.73
22 13 29 13-0007 2" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,534.06	897.73
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,690.40	897.73
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	9,799.83	897.73
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	10,550.24	897.73
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	11,285.01	897.73
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	12,410.63	897.73
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	13,536.24	897.73
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sewage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM.....	15,255.76	1,194.68
22 13 29 13-0016 3" Solids 1750 RPM Vertical Sewage Pumps (22 13 29 13-0001)		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,317.40	897.73
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,317.40	897.73
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	10,588.26	897.73
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	12,689.90	897.73
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	13,058.56	897.73
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	15,385.45	1,194.68
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sewage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM.....	16,323.46	1,194.68
22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	519.49	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	623.75	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	697.18	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	709.88	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	796.91	
22 13 29 13-0030 Float Switches (22 13 29 13-0001)		
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	466.91	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	490.48	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	501.36	
22 13 29 13-0034 Square Or Round Steel Sump Covers (22 13 29 13-0001)		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	445.59	29.94
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	493.42	33.67
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	683.93	44.90
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	987.40	52.39
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	1,057.74	54.25
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	1,130.36	56.13
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	1,438.26	67.36
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	1,941.59	74.84
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	2,462.06	93.55
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	3,123.32	102.90
22 13 29 16 Submersible Sewerage Pumps (22 13 29)		
Note: Includes 25' of cord with pumps unless otherwise noted.		
22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller (22 13 29 16)		
22 13 29 16-0002 Submersible Sewage Pumps With Cast Iron Vortex Impeller (22 13 29 16-0001)		
22 13 29 16-0003 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Steel Housing And Impeller	486.61	54.47
22 13 29 16-0004 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	637.04	54.47
22 13 29 16-0005 EA 1 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	767.21	68.09
22 13 29 16-0006 Submersible Sewage Pumps With Bronze Vortex Impeller (22 13 29 16-0001)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0007 EA 1/2 HP Submersible Sewage Pump, 115 Volt Or 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	727.38	54.47
22 13 29 16-0008 EA 1 HP Submersible Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	890.10	68.09
22 13 29 16-0009 EA 1-1/2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,075.93	109.75
22 13 29 16-0010 EA 2 HP Submersible Sewage Pump, 230 Volt, 1 Or 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller.....	1,181.23	134.13
22 13 29 16-0011 Submersible Sewage Pumps With Semi-Open Impeller (22 13 29 16)		
22 13 29 16-0012 EA 1 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,576.55	68.09
22 13 29 16-0013 EA 1.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	1,749.14	113.49
22 13 29 16-0014 EA 2 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,257.07	138.71
22 13 29 16-0015 EA 3 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	2,624.27	168.13
22 13 29 16-0016 EA 5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,058.17	197.56
22 13 29 16-0017 EA 7.5 HP Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller.....	3,193.09	226.98
22 13 29 16-0018 Submersible Sewage Pumps Accessories (22 13 29 16)		
22 13 29 16-0019 EA Simplex Single Phase Plug In Controller With NEMA 4X Enclosure For Non-Automatic Submersible Sewage Pump.....	287.83	61.72
Note: Includes alarm horn, warning light, and single control float switches.		
22 13 29 16-0020 EA Simplex Single Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	677.28	82.30
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0021 EA Simplex Three Phase Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	880.40	82.30
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0022 EA Duplex Alarm System And Controller With NEMA 4X Enclosure For Non Automatic Submersible Sewage Pump.....	982.42	102.86
Note: Includes alarm horn, warning light, HOA switch, and three control float switches.		
22 13 29 16-0023 EA High-water Alarm For Submersible Sewage Pump.....	221.93	41.14
22 13 29 16-0024 EA Float Switch For Submersible Sewage Pump.....	83.21	20.58
22 13 29 16-0025 EA Rail System With 2" Discharge For Submersible Sewage Pump.....	417.32	61.72
22 13 29 33 Sewerage Pump Basins And Pits (22 13 29)		
22 13 29 33-0001 Sewage Sump Pump Basin (22 13 29 33)		
22 13 29 33-0002 High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)		
22 13 29 33-0003 EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	98.08	
22 13 29 33-0004 EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	126.57	
22 13 29 33-0005 EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	286.24	
22 13 29 33-0006 EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	401.36	
22 13 29 33-0007 EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	516.48	
22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	600.66	
22 13 29 33-0009 Fiberglass Basin (22 13 29 33-0001)		
22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	173.78	
22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	338.95	
22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	598.18	
22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	799.85	
22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	919.85	
22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	971.63	
22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	1,138.73	
22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	1,321.09	
22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities (22)		
22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities (22 60)		
22 66 53 Laboratory Chemical-Waste And Vent Piping (22 66)		
22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 66 53 00-0001)		
22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0004 LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	10.02 1.87 1.60 1.93	4.26
22 66 53 00-0005 LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	12.08 2.52 2.16 2.17	4.78
22 66 53 00-0006 LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	19.23 4.56 3.90 3.14	6.96
22 66 53 00-0007 LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	26.04 6.46 5.53 4.08	9.06
22 66 53 00-0008 LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe..... <i>For Schedule 80, Add</i> <i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i> <i>For Work In Restricted Working Space, Add</i>	42.36 11.65 9.97 5.99	13.32
22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	38.60 7.24	16.09
22 66 53 00-0011 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	49.81 9.56	21.25
22 66 53 00-0012 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	66.99 10.95	24.33
22 66 53 00-0013 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	96.82 14.48	32.18
22 66 53 00-0014 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend..... <i>For Work In Restricted Working Space, Add</i>	190.57 21.38	47.52
22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	38.36 7.24	16.09
22 66 53 00-0017 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	49.16 9.56	21.25
22 66 53 00-0018 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	68.24 10.95	24.33
22 66 53 00-0019 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	84.28 14.48	32.18
22 66 53 00-0020 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend..... <i>For Work In Restricted Working Space, Add</i>	171.13 21.38	47.52
22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	69.57 15.48	34.43
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	86.59 19.52	43.40
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	114.32 21.38	47.52
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	158.02 28.07	62.41
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	277.89 44.90	99.83
22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	86.56 19.52	43.40
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	111.32 21.38	47.52
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	108.65 21.38	47.52
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	151.17 28.07	62.41
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	153.75 28.07	62.41
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	258.81 44.90	99.83
22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	78.34 15.48	34.43

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	88.71 19.52	43.40
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	120.82 21.38	47.52
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	161.01 28.07	62.41
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug <i>For Work In Restricted Working Space, Add</i>	240.89 44.90	99.83
22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes (22 66 53 00-0002)		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	74.50 15.48	34.43
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	91.15 19.52	43.40
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	117.04 21.38	47.52
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	160.27 28.07	62.41
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	319.06 44.90	99.83
22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes (22 66 53 00-0002)		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	97.18 19.52	43.40
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	113.95 21.38	47.52
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	113.95 21.38	47.52
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	157.60 28.07	62.41
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	157.60 28.07	62.41
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	283.60 44.90	99.83
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	285.67 44.90	99.83
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	259.68 44.90	99.83
22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses (22 66 53 00-0002)		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	92.68 19.36	43.03
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	115.09 24.41	54.25
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	156.58 26.73	59.42
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	218.00 35.08	77.98
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	388.09 56.13	124.75
22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	67.97 15.48	34.43
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	88.97 19.52	43.40
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	101.85 21.38	47.52
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	141.11 28.07	62.41
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	81.86 19.52	43.40
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	98.99 21.38	47.52
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	100.14 21.38	47.52
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	136.85 28.07	62.41
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	137.58 28.07	62.41
22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap..... <i>For Work In Restricted Working Space, Add</i>	80.39 17.96	39.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	107.01 23.63	52.54
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	162.44 32.07	71.32
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap <i>For Work In Restricted Working Space, Add</i>	229.37 40.82	90.78
22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	37.92 7.24	16.09
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	46.21 9.56	21.25
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	54.27 10.95	24.33
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	73.90 14.48	32.18
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter <i>For Work In Restricted Working Space, Add</i>	109.63 21.38	47.52
22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	36.19 7.24	16.09
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	47.52 9.56	21.25
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	56.67 10.95	24.33
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter <i>For Work In Restricted Working Space, Add</i>	76.25 14.48	32.18
22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	34.04 7.24	16.09
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	43.66 9.56	21.25
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	50.83 10.95	24.33
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	67.23 14.48	32.18
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling <i>For Work In Restricted Working Space, Add</i>	98.82 21.38	47.52
22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
Note: Acid resistant. ASTM A518.		
22 66 53 00-0094 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe (22 66 53 00-0093)		
22 66 53 00-0095 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	62.67	6.66
22 66 53 00-0096 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	87.91	8.31
22 66 53 00-0097 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	119.17	9.58
22 66 53 00-0098 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	195.64	13.88
22 66 53 00-0099 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	343.23	18.47
22 66 53 00-0100 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	604.21	23.29
22 66 53 00-0101 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,074.41	31.37
22 66 53 00-0102 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,907.77	35.97
22 66 53 00-0103 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings (22 66 53 00-0093)		
22 66 53 00-0104 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps (22 66 53 00-0103)		
22 66 53 00-0105 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	258.45	56.73
22 66 53 00-0106 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	334.73	62.41
22 66 53 00-0107 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	536.59	74.69
22 66 53 00-0108 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	797.28	91.71
22 66 53 00-0109 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,811.73	148.41
22 66 53 00-0110 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends (22 66 53 00-0103)		
22 66 53 00-0111 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	156.80	56.73
22 66 53 00-0112 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	201.19	62.41
22 66 53 00-0113 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	251.56	74.69
22 66 53 00-0114 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	639.81	91.71
22 66 53 00-0115 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,432.42	148.41
22 66 53 00-0116 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,163.57	184.90
22 66 53 00-0117 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,162.82	222.35

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities****22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0118 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0119 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	156.80	56.73
22 66 53 00-0120 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	201.19	62.41
22 66 53 00-0121 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	251.56	74.69
22 66 53 00-0122 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	476.36	91.71
22 66 53 00-0123 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,221.13	148.41
22 66 53 00-0124 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,775.18	184.90
22 66 53 00-0125 EA 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	2,505.35	222.35
22 66 53 00-0126 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0127 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	156.80	56.73
22 66 53 00-0128 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	201.19	62.41
22 66 53 00-0129 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	251.38	74.61
22 66 53 00-0130 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps <small>(22 66 53 00-0103)</small>		
22 66 53 00-0131 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	208.62	56.73
22 66 53 00-0132 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	358.65	62.41
22 66 53 00-0133 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	403.05	74.69
22 66 53 00-0134 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees <small>(22 66 53 00-0103)</small>		
22 66 53 00-0135 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	222.95	84.86
22 66 53 00-0136 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	276.58	94.07
22 66 53 00-0137 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	379.71	112.33
22 66 53 00-0138 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	625.22	137.83
22 66 53 00-0139 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,850.92	222.80
22 66 53 00-0140 EA 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	2,616.60	278.20
22 66 53 00-0141 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees <small>(22 66 53 00-0103)</small>		
22 66 53 00-0142 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	209.68	81.35
22 66 53 00-0143 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	242.58	87.33
22 66 53 00-0144 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	269.08	90.40
22 66 53 00-0145 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	307.14	99.83
22 66 53 00-0146 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	327.86	102.97
22 66 53 00-0147 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	358.26	106.05
22 66 53 00-0148 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	448.23	119.26
22 66 53 00-0149 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	494.38	122.33
22 66 53 00-0150 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	550.64	127.96
22 66 53 00-0151 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees <small>(22 66 53 00-0103)</small>		
22 66 53 00-0152 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	250.81	84.86
22 66 53 00-0153 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	300.13	93.85
22 66 53 00-0154 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	405.60	112.33
22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees <small>(22 66 53 00-0103)</small>		
22 66 53 00-0156 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	237.57	81.35
22 66 53 00-0157 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	293.63	90.85
22 66 53 00-0158 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	352.21	103.28
22 66 53 00-0159 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	376.66	106.34
22 66 53 00-0160 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0103)</small>		
22 66 53 00-0161 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	221.11	85.01
22 66 53 00-0162 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	298.51	94.07
22 66 53 00-0163 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	379.58	112.25
22 66 53 00-0164 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	628.41	137.31
22 66 53 00-0165 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	2,301.05	222.57
22 66 53 00-0166 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0103)</small>		
22 66 53 00-0167 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	225.61	81.35
22 66 53 00-0168 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	242.55	87.33
22 66 53 00-0169 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	255.92	90.93
22 66 53 00-0170 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	285.21	99.83
22 66 53 00-0171 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	296.14	103.12
22 66 53 00-0172 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	350.75	106.34
22 66 53 00-0173 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	470.06	119.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0174 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	552.18	122.33
22 66 53 00-0175 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	576.55	127.96
22 66 53 00-0176 EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,367.51	179.56
22 66 53 00-0177 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,474.07	185.50
22 66 53 00-0178 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,793.20	194.98
22 66 53 00-0179 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0180 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	258.74	84.86
22 66 53 00-0181 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	306.11	93.85
22 66 53 00-0182 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	445.46	112.33
22 66 53 00-0183 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	680.49	137.45
22 66 53 00-0184 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0103)</small>		
22 66 53 00-0185 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	217.64	81.35
22 66 53 00-0186 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	250.53	87.33
22 66 53 00-0187 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	275.69	90.85
22 66 53 00-0188 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	299.16	99.83
22 66 53 00-0189 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	342.25	103.28
22 66 53 00-0190 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	384.60	106.27
22 66 53 00-0191 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	495.92	119.41
22 66 53 00-0192 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	610.04	122.40
22 66 53 00-0193 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	666.55	128.18
22 66 53 00-0194 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers <small>(22 66 53 00-0103)</small>		
22 66 53 00-0195 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	135.90	53.44
22 66 53 00-0196 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	148.34	56.43
22 66 53 00-0197 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	164.80	59.42
22 66 53 00-0198 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	256.25	65.86
22 66 53 00-0199 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	268.72	68.93
22 66 53 00-0200 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	294.13	76.51
22 66 53 00-0201 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	376.64	82.36
22 66 53 00-0202 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	543.58	111.33
22 66 53 00-0203 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	579.66	120.74
22 66 53 00-0204 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers <small>(22 66 53 00-0103)</small>		
22 66 53 00-0205 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	358.51	124.75
22 66 53 00-0206 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	462.16	124.75
22 66 53 00-0207 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	471.46	124.75
22 66 53 00-0208 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	544.79	170.64
22 66 53 00-0209 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0103)</small>		
22 66 53 00-0210 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	376.05	56.73
22 66 53 00-0211 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	452.34	62.41
22 66 53 00-0212 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	550.55	74.69
22 66 53 00-0213 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	1,590.59	91.71
22 66 53 00-0214 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs <small>(22 66 53 00-0103)</small>		
22 66 53 00-0215 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	194.67	56.73
22 66 53 00-0216 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	243.04	62.41
22 66 53 00-0217 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	331.29	74.69
22 66 53 00-0218 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	428.19	91.71
22 66 53 00-0219 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	817.76	127.96
22 66 53 00-0220 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0093)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	1.55	
22 66 53 00-0222 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	36.54	
22 66 53 00-0223 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings <small>(22 66 53)</small>		
Note: ASTM A518.		
22 66 53 00-0224 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe <small>(22 66 53 00-0223)</small>		

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities**

22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0225	LF		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	49.64	5.02
22 66 53 00-0226	LF		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	56.46	5.54
22 66 53 00-0227	LF		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	77.70	6.96
22 66 53 00-0228	LF		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	97.78	8.08
22 66 53 00-0229			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings <small>(22 66 53 00-0223)</small>		
22 66 53 00-0230			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0231	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	189.16	39.74
22 66 53 00-0232	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	204.89	44.90
22 66 53 00-0233	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	277.56	49.54
22 66 53 00-0234	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	334.98	59.87
22 66 53 00-0235			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0236	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	111.42	39.74
22 66 53 00-0237	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	132.43	44.45
22 66 53 00-0238	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	168.18	49.69
22 66 53 00-0239	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	218.69	59.42
22 66 53 00-0240	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	128.72	41.98
22 66 53 00-0241			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0242	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	111.42	39.74
22 66 53 00-0243	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	132.43	44.45
22 66 53 00-0244	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	168.18	49.69
22 66 53 00-0245	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	218.69	59.42
22 66 53 00-0246			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0247	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	129.36	39.74
22 66 53 00-0248	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	160.33	44.45
22 66 53 00-0249	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	241.93	49.69
22 66 53 00-0250	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	272.51	59.42
22 66 53 00-0251			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0252	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	125.38	39.74
22 66 53 00-0253	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	148.37	44.45
22 66 53 00-0254	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	223.99	49.69
22 66 53 00-0255	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	254.57	59.42
22 66 53 00-0256			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0257	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	189.31	59.79
22 66 53 00-0258			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0259	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	157.42	59.79
22 66 53 00-0260	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	192.67	67.36
22 66 53 00-0261	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	250.06	75.06
22 66 53 00-0262	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	371.90	89.88
22 66 53 00-0263			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0264	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	180.90	64.81
22 66 53 00-0265	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	218.38	69.89
22 66 53 00-0266	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	232.03	72.36
22 66 53 00-0267	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	249.23	79.85
22 66 53 00-0268	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	272.60	82.09
22 66 53 00-0269	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	294.27	84.56
22 66 53 00-0270			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes <small>(22 66 53 00-0229)</small>		
22 66 53 00-0271	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	157.72	60.01
22 66 53 00-0272	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	184.70	67.36
22 66 53 00-0273	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	242.09	75.06
22 66 53 00-0274	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	371.90	89.88
22 66 53 00-0275			Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes <small>(22 66 53 00-0229)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0276 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	175.42	65.18
22 66 53 00-0277 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	212.38	69.82
22 66 53 00-0278 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	222.41	72.59
22 66 53 00-0279 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	249.60	80.08
22 66 53 00-0280 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	273.27	82.55
22 66 53 00-0281 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	288.60	84.79
22 66 53 00-0282 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes <small>(22 66 53 00-0229)</small>		
22 66 53 00-0283 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	233.45	79.93
22 66 53 00-0284 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	294.27	89.95
22 66 53 00-0285 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	372.44	99.53
22 66 53 00-0286 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	482.39	119.66
22 66 53 00-0287 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	256.50	84.64
22 66 53 00-0288 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	285.89	89.66
22 66 53 00-0289 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	337.21	94.59
22 66 53 00-0290 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	372.30	104.77
22 66 53 00-0291 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	444.06	110.08
22 66 53 00-0292 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses <small>(22 66 53 00-0229)</small>		
22 66 53 00-0293 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	257.31	79.93
22 66 53 00-0294 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	302.06	89.80
22 66 53 00-0295 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	425.11	100.05
22 66 53 00-0296 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	588.22	119.82
22 66 53 00-0297 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	276.39	84.64
22 66 53 00-0298 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	355.62	89.66
22 66 53 00-0299 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	375.03	94.59
22 66 53 00-0300 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	402.16	104.70
22 66 53 00-0301 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	505.27	109.63
22 66 53 00-0302 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0303 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	173.08	59.57
22 66 53 00-0304 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	200.64	67.36
22 66 53 00-0305 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	242.09	75.06
22 66 53 00-0306 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	393.82	89.88
22 66 53 00-0307 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0308 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	190.92	64.88
22 66 53 00-0309 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	212.67	70.05
22 66 53 00-0310 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	230.38	72.59
22 66 53 00-0311 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	307.41	80.08
22 66 53 00-0312 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	315.13	82.55
22 66 53 00-0313 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	350.39	84.79
22 66 53 00-0314 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0315 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	271.10	79.78
22 66 53 00-0316 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	337.88	89.73
22 66 53 00-0317 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	478.39	99.76
22 66 53 00-0318 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	574.64	120.04
22 66 53 00-0319 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0320 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	294.33	84.64
22 66 53 00-0321 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	349.62	89.58
22 66 53 00-0322 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	365.06	94.59
22 66 53 00-0323 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	406.15	104.70
22 66 53 00-0324 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	505.27	109.63
22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers <small>(22 66 53 00-0229)</small>		

22 Plumbing**22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities**

22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0326 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	129.36	42.44
22 66 53 00-0327 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	145.06	44.90
22 66 53 00-0328 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	170.23	52.39
22 66 53 00-0329 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	198.19	49.77
22 66 53 00-0330 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	209.90	52.24
22 66 53 00-0331 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	221.60	54.71
22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees <small>(22 66 53 00-0229)</small>		
22 66 53 00-0333 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	118.16	34.95
22 66 53 00-0334 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	136.99	39.52
22 66 53 00-0335 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	160.73	44.75
22 66 53 00-0336 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	285.02	54.48
22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs <small>(22 66 53 00-0229)</small>		
22 66 53 00-0338 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	53.73	19.90
22 66 53 00-0339 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	63.23	22.23
22 66 53 00-0340 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	69.14	24.85
22 66 53 00-0341 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	88.42	29.71
22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0343 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	208.74	39.52
22 66 53 00-0344 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	216.14	44.45
22 66 53 00-0345 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	265.85	49.69
22 66 53 00-0346 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	338.29	59.42
22 66 53 00-0347 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	286.92	42.51
22 66 53 00-0348 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	392.07	47.44
22 66 53 00-0349 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	473.18	52.39
22 66 53 00-0350 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	587.87	62.41
22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0352 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	380.56	45.13
22 66 53 00-0353 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	595.08	49.92
22 66 53 00-0354 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	396.25	44.90
22 66 53 00-0355 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	595.08	49.92
22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps <small>(22 66 53 00-0229)</small>		
22 66 53 00-0357 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	354.39	44.90
22 66 53 00-0358 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	415.69	49.92
22 66 53 00-0359 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	408.21	44.90
22 66 53 00-0360 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	884.10	49.92
22 66 53 00-0361 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	531.30	49.92
22 66 53 00-0362 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends <small>(22 66 53 00-0229)</small>		
22 66 53 00-0363 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	153.55	39.96
22 66 53 00-0364 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	198.91	44.90
22 66 53 00-0365 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters <small>(22 66 53 00-0229)</small>		
22 66 53 00-0366 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	80.78	29.94
22 66 53 00-0367 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	142.32	32.47
22 66 53 00-0368 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	107.95	37.42
22 66 53 00-0369 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter <small>(22 66 53 00-0229)</small>		
22 66 53 00-0370 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	147.60	42.58
22 66 53 00-0371 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	161.00	44.90
22 66 53 00-0372 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	178.70	47.37
22 66 53 00-0373 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	191.97	52.24
22 66 53 00-0374 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	178.73	47.44
22 66 53 00-0375 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	188.42	49.92
22 66 53 00-0376 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	203.66	54.71
22 66 53 00-0377 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	228.07	52.39
22 66 53 00-0378 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	280.92	62.41



Plumbing	22	22
Gas And Vacuum Systems For Laboratory And Healthcare Facilities	22 60	
Chemical-Waste Systems For Laboratory And Healthcare Facilities	22 66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0379 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings <small>(22 66 53 00-0229)</small>		
22 66 53 00-0380 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	47.84	
22 66 53 00-0381 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	55.81	
22 66 53 00-0382 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	59.80	
22 66 53 00-0383 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting.....	65.78	
22 66 53 00-0384 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings <small>(22 66 53 00-0229)</small>		
22 66 53 00-0385 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	358.83	19.98
22 66 53 00-0386 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	136.56	9.95
22 66 53 00-0387 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	252.17	9.95
22 66 53 00-0388 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates <small>(22 66 53 00-0229)</small>		
22 66 53 00-0389 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	1,293.80	99.83
22 66 53 00-0390 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	1,592.29	104.85
22 66 53 00-0391 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	1,055.44	9.95

END OF SECTION 22

22 Plumbing

22 60 Gas And Vacuum Systems For Laboratory And Healthcare Facilities

22 66 Chemical-Waste Systems For Laboratory And Healthcare Facilities



MINOR			
CSI	UOM	DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

26 01 Operation and Maintenance of Electrical Systems ⁽²⁶⁾

26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution ^(26 01)

26 01 10 00-0001 Retrofit Distribution Enclosures ^(26 01 10)

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 00-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C)	285.54
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	58.69
		<i>For > 20 To 50, Add</i>	46.95
		<i>For > 50 To 100, Add</i>	23.47
26 01 10 00-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C)	369.68
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	79.72
		<i>For > 20 To 50, Add</i>	63.78
		<i>For > 50 To 100, Add</i>	31.89
26 01 10 00-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C)	554.77
		Note: 4mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	125.99
		<i>For > 20 To 50, Add</i>	100.79
		<i>For > 50 To 100, Add</i>	50.40
26 01 10 00-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO)	283.14
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	58.09
		<i>For > 20 To 50, Add</i>	46.47
		<i>For > 50 To 100, Add</i>	23.23
26 01 10 00-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2)	284.62
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	58.46
		<i>For > 20 To 50, Add</i>	46.76
		<i>For > 50 To 100, Add</i>	23.38
26 01 10 00-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3)	362.82
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	78.01
		<i>For > 20 To 50, Add</i>	62.40
		<i>For > 50 To 100, Add</i>	31.20
26 01 10 00-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4)	539.56
		Note: 4mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	122.19
		<i>For > 20 To 50, Add</i>	97.75
		<i>For > 50 To 100, Add</i>	48.88
26 01 10 00-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	224.96
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	43.54
		<i>For > 20 To 50, Add</i>	34.83
		<i>For > 50 To 100, Add</i>	17.42
26 01 10 00-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	315.83
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	66.26
		<i>For > 20 To 50, Add</i>	53.01
		<i>For > 50 To 100, Add</i>	26.50
26 01 10 00-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR)	448.34
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	99.39
		<i>For > 20 To 50, Add</i>	79.51
		<i>For > 50 To 100, Add</i>	39.75
26 01 10 00-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	409.02
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	89.56
		<i>For > 20 To 50, Add</i>	71.64
		<i>For > 50 To 100, Add</i>	35.82
26 01 10 00-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR)	561.05
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	127.56
		<i>For > 20 To 50, Add</i>	102.05
		<i>For > 50 To 100, Add</i>	51.03

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 10 Operation And Maintenance Of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 00-0014	EA		4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,025.39	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	243.65	
			For > 20 To 50, Add	194.92	
			For > 50 To 100, Add	97.46	
26 01 10 00-0015	EA		3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	469.45	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	104.66	
			For > 20 To 50, Add	83.73	
			For > 50 To 100, Add	41.87	
26 01 10 00-0016	EA		4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	689.58	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	159.70	
			For > 20 To 50, Add	127.76	
			For > 50 To 100, Add	63.88	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution (26 01)

26 01 20 00-0001			Lock Out/Tag Out Devices <small>(26 01 20)</small>		
			Note: Includes the installation and removal of identifying markers and securing equipment.		
26 01 20 00-0002	EA		Lock Out/Tag Out Local Disconnect	20.61	
26 01 20 00-0003	EA		Lock Out/Tag Out Breaker Or Motor Starter	30.80	
26 01 20 00-0004	EA		Lock Out/Tag Out Tags.....	2.56	
26 01 20 00-0005			Existing Circuit Tracing <small>(26 01 20)</small>		
26 01 20 00-0006	EA		Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device.....	17.15	
26 01 20 00-0007	EA		Lighting, Existing Circuit Tracing Per Circuit.....	17.15	

26 01 30 Operation And Maintenance Of Facility Electrical Power Generating And Storing Equipment (26 01)

26 01 30 00-0001			Emergency Generator Permits <small>(26 01 30)</small>		
26 01 30 00-0002			Air Pollution Control Board <small>(26 01 30 00-0001)</small>		
26 01 30 00-0003	EA		APCD Permit To Construct And Operate Emergency Generator.....	2,443.70	

26 01 50 Operation and Maintenance of Lighting (26 01)

26 01 50 51 Luminaire Relamping (26 01 50)

26 01 50 51-0001			Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
			Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0123 for disposal of hazardous lamps.		
26 01 50 51-0002			Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0003	EA		300 Watt, T3, Tungsten Halogen Lamp	38.80	
26 01 50 51-0004	EA		500 Watt, T3, Tungsten Halogen Lamp	51.98	
26 01 50 51-0005	EA		1,000 Watt, T3, Tungsten Halogen Lamp	80.33	
26 01 50 51-0006	EA		90 Watt, PAR38, Halogen Lamp	13.93	
26 01 50 51-0007			Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01 50 51-0008	EA		100 Watt, Frosted, Interior Incandescent Lamp	2.83	
			For Multiple Lamps In Fixture, Deduct	-0.71	
26 01 50 51-0009	EA		150 Watt, Frosted, Interior Incandescent Lamp	4.34	
			For Multiple Lamps In Fixture, Deduct	-0.71	
26 01 50 51-0010	EA		200 Watt, Frosted, Interior Incandescent Lamp	6.02	
			For Multiple Lamps In Fixture, Deduct	-0.71	
26 01 50 51-0011	EA		300 Watt, PS25, Interior Incandescent Lamp	8.12	
			For Multiple Lamps In Fixture, Deduct	-0.71	
26 01 50 51-0012	EA		60 Watt, G25, Clear, Interior Incandescent Lamp	5.29	
			For Multiple Lamps In Fixture, Deduct	-0.71	
26 01 50 51-0013	EA		75 Watt, R20, Interior Incandescent Lamp	9.59	
			For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0014	EA		75 Watt, PAR38, Exterior Incandescent Lamp.....	12.54	
			For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0015	EA		100 Watt, PAR38, Exterior Incandescent Lamp.....	11.37	
			For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0016	EA		150 Watt, PAR38, Exterior Incandescent Lamp.....	22.53	
			For Multiple Lamps In Fixture, Deduct	-0.84	
26 01 50 51-0017	EA		250 Watt, PAR38, Exterior Incandescent Lamp.....	50.00	
			For Multiple Lamps In Fixture, Deduct	-0.98	
26 01 50 51-0018	EA		300 Watt, PAR56, Exterior Incandescent Lamp.....	58.19	
			For Multiple Lamps In Fixture, Deduct	-0.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0019 Exit Light Lamps <small>(26 01 50 51-0001)</small>					
26 01 50 51-0020	EA		Convert Exit Light Lamps To Red LED Lamps	53.08	
			<i>For Green LED Lamps, Add</i>	25.00	
26 01 50 51-0021	EA		Fluorescent Lamp For Exit Light	15.91	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.81	
26 01 50 51-0022	EA		Lamp Replacement For Emergency Lights On Exit Sign	30.99	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.41	
 26 01 50 51-0023 Fluorescent Lamps <small>(26 01 50 51-0001)</small>					
26 01 50 51-0024	EA		18", 15 Watt, T8 Fluorescent Lamp	4.95	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0025	EA		2', 17 Watt, T8 Fluorescent Lamp	6.27	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0026	EA		3', 25 Watt, T8 Fluorescent Lamp	7.23	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0027	EA		4', 32 Watt, T8 Fluorescent Lamp	7.16	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0028	EA		4', 30 Watt, T8 Fluorescent Lamp	9.51	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0029	EA		4', 28 Watt, T8 Fluorescent Lamp	8.12	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0030	EA		4', 25 Watt, T8 Fluorescent Lamp	8.07	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0031	EA		4', 44 Watt, T8HO Fluorescent Lamp	14.04	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0032	EA		8', 59 Watt, T8 Fluorescent Lamp	10.29	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0033	EA		18", 15 Watt, T12 Fluorescent Lamp	8.28	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0034	EA		2', 20 Watt, T12 Fluorescent Lamp	5.89	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0035	EA		3', 30 Watt, T12 Fluorescent Lamp	6.61	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0036	EA		4', 34 Watt, T12 Fluorescent Lamp	6.65	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0037	EA		4', 40 Watt, T12 Fluorescent Lamp	6.48	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0038	EA		8', 60 Watt, T12 Fluorescent Lamp	10.60	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0039	EA		8', 75 Watt, T12 Fluorescent Lamp	8.68	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0040	EA		8', 95 Watt, Instant Start T12 Fluorescent Lamp	15.96	
26 01 50 51-0041	EA		6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	8.40	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0042	EA		8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	6.63	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0043	EA		12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	6.36	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0044	EA		16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	7.20	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0045	EA		6", 4 Watt, T5 Fluorescent Lamp	5.66	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0046	EA		9", 6 Watt, T5 Fluorescent Lamp	5.55	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0047	EA		12", 8 Watt, T5 Fluorescent Lamp	5.77	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0048	EA		21", 13 Watt, T5 Fluorescent Lamp	6.11	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0049	EA		24", 14 Watt, T5 Fluorescent Lamp	7.28	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.13	
26 01 50 51-0050	EA		34", 21 Watt, T5 Fluorescent Lamp	7.85	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0051	EA		46", 28 Watt, T5 Fluorescent Lamp	7.55	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0052	EA		46", 54 Watt T5HO Fluorescent Lamp	8.43	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.27	
26 01 50 51-0053	EA		46", 54 Watt T5 Fluorescent Lamp	9.68	
26 01 50 51-0054	EA		32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	12.52	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.41	
26 01 50 51-0055	EA		40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	12.00	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-1.41	
26 01 50 51-0056	EA		27-55 Watt, 4-Pin Compact Fluorescent Lamp	12.04	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-0.71	
26 01 50 51-0057	EA		5-13 Watt, 2-Pin Compact Fluorescent Lamp	4.74	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-0.71	
26 01 50 51-0058	EA		9-26 Watt, 4-Pin Compact Fluorescent Lamp	5.35	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-0.71	
26 01 50 51-0059	EA		Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	15.40	
26 01 50 51-0060	EA		Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	15.40	
26 01 50 51-0061	EA		32 Watt 2D (DoubleD) Fluorescent Lamp	31.02	
26 01 50 51-0062	EA		26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	10.62	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0063			Metal Halide Lamps (26 01 50 51-0001)		
26 01 50 51-0064	EA		50 Watt, Pulse Start Metal Halide Lamp	20.22	
			<i>For Pulse Start Lamps, Add</i>	1.30	
26 01 50 51-0065	EA		70 Watt, Pulse Start Metal Halide Lamp	23.99	
			<i>For Pulse Start Lamps, Add</i>	1.68	
26 01 50 51-0066	EA		100 Watt, Pulse Start Metal Halide Lamp	25.00	
			<i>For Pulse Start Lamps, Add</i>	1.78	
26 01 50 51-0067	EA		150 Watt, Pulse Start Metal Halide Lamp	26.62	
			<i>For Pulse Start Lamps, Add</i>	1.94	
26 01 50 51-0068	EA		175 Watt, Probe Start Metal Halide Lamp.....	22.67	
26 01 50 51-0069	EA		175 Watt, Pulse Start Metal Halide Lamp	31.46	
26 01 50 51-0070	EA		250 Watt, Probe Start Metal Halide Lamp.....	20.35	
26 01 50 51-0071	EA		250 Watt, Pulse Start Metal Halide Lamp	28.64	
26 01 50 51-0072	EA		400 Watt, Probe Start Metal Halide Lamp.....	22.92	
26 01 50 51-0073	EA		400 Watt, Pulse Start Metal Halide Lamp	28.89	
26 01 50 51-0074	EA		1,000 Watt, Probe Start Metal Halide Lamp.....	29.87	
26 01 50 51-0075	EA		1,000 Watt, Pulse Start Metal Halide Lamp	33.24	
26 01 50 51-0076	EA		1,500 Watt, Probe Start Metal Halide Lamp.....	37.58	
26 01 50 51-0077			High Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0078	EA		35 Watt, High Pressure Sodium Lamp.....	19.48	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0079	EA		50 Watt, High Pressure Sodium Lamp.....	19.48	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0080	EA		70 Watt, High Pressure Sodium Lamp.....	19.79	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0081	EA		100 Watt, High Pressure Sodium Lamp.....	20.45	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0082	EA		150 Watt, High Pressure Sodium Lamp.....	21.02	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0083	EA		250 Watt, High Pressure Sodium Lamp.....	19.60	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0084	EA		400 Watt, High Pressure Sodium Lamp.....	21.60	
			<i>For Enclosed And Gasket Light Fixtures, Add</i>	1.08	
26 01 50 51-0085	EA		1,000 Watt, High Pressure Sodium Lamp.....	49.50	
26 01 50 51-0086			Low Pressure Sodium Lamps (26 01 50 51-0001)		
26 01 50 51-0087	EA		35 Watt, Low Pressure Sodium Lamp.....	49.40	
26 01 50 51-0088	EA		55 Watt, Low Pressure Sodium Lamp.....	55.53	
26 01 50 51-0089	EA		70 Watt, Low Pressure Sodium Lamp.....	56.91	
26 01 50 51-0090	EA		90 Watt, Low Pressure Sodium Lamp.....	58.29	
26 01 50 51-0091	EA		135 Watt, Low Pressure Sodium Lamp.....	63.81	
26 01 50 51-0092	EA		180 Watt, Low Pressure Sodium Lamp.....	88.66	
26 01 50 51-0093			LED Lamps (26 01 50 51-0001)		
26 01 50 51-0094	EA		3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	12.54	
26 01 50 51-0095	EA		8 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	22.01	
26 01 50 51-0096	EA		11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	29.23	
26 01 50 51-0097	EA		13.5 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star).....	24.06	
26 01 50 51-0098	EA		8 Watt (40 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	25.23	
26 01 50 51-0099	EA		17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star).....	42.53	
26 01 50 51-0100	EA		8 Watt (50 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	28.50	
26 01 50 51-0101	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	35.11	
26 01 50 51-0102	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	41.27	
26 01 50 51-0103	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	37.61	
26 01 50 51-0104	EA		14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	38.81	
26 01 50 51-0105	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	42.00	
26 01 50 51-0106	EA		18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	43.57	
26 01 50 51-0107	EA		7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star).....	25.84	
26 01 50 51-0108	EA		12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star).....	37.96	
26 01 50 51-0109	EA		16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.13	
26 01 50 51-0110	EA		15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.13	
26 01 50 51-0111	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	26.19	
26 01 50 51-0112	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.72	
26 01 50 51-0113	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	35.60	
26 01 50 51-0114	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	41.49	
26 01 50 51-0115	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	39.72	
26 01 50 51-0116	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	41.49	
26 01 50 51-0117	EA		19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star).....	44.08	
26 01 50 51-0118	EA		24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star).....	42.66	
26 01 50 51-0119	EA		4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	20.93	
26 01 50 51-0120	EA		6 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	25.46	
26 01 50 51-0121	EA		6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star).....	28.50	
26 01 50 51-0122	EA		8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star).....	36.27	



	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0123		Recycle Hazardous Lamps (26 01 50 51) Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 01 22 23 00-0001 for work over 14' to add appropriate aerial lift, 26 01 50 51-0001 for removal of lamps from fixtures.		
	EA	Recycle 2' Length Linear Fluorescent Lamps	0.23	
	EA	Recycle 3' Length Linear Fluorescent Lamps	0.35	
	EA	Recycle 4' Length Linear Fluorescent Lamps	0.47	
	EA	Recycle 6' Length Linear Fluorescent Lamps	0.70	
	EA	Recycle 8' Length Linear Fluorescent Lamps	0.94	
	EA	Recycle Compact Fluorescent Lamps	0.42	
	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	0.42	
	EA	Recycle High Intensity Discharge (HID) Lamps	1.46	
26 01 50 52		Ballasts And Accessories (26 01 50)		
26 01 50 52-0001		High Intensity Discharge (HID) Ballasts (26 01 50 52)		
26 01 50 52-0002		Magnetic High Intensity Discharge (HID) Ballasts (26 01 50 52-0001)		
26 01 50 52-0003		Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)		
26 01 50 52-0004		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)		
	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	88.52	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	90.90	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	90.90	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	80.20	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	80.20	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	129.53	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	129.53	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	169.53	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	189.93	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0014		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)		
	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	79.11	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	84.43	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	82.14	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	98.13	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	95.85	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	110.69	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	110.69	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	135.38	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	135.38	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	222.00	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	222.00	10.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0026		Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts (26 01 50 52-0003)		
	EA	Single Mounting Bracket For Core And Coil Type	7.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.28	
	EA	Double Mounting Bracket For Core And Coil Type	12.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.92	
26 01 50 52-0029		F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0002)		
26 01 50 52-0030		Metal Halide, F-Can High Intensity Discharge (HID) Ballasts (26 01 50 52-0029)		
	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	114.73	10.66
		<i>For Pulse Start Ballast, Add</i>	9.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	

26 Electrical**26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0032 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	121.33	10.66
<i>For Pulse Start Ballast, Add</i>	10.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0033 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	109.73	10.66
<i>For Pulse Start Ballast, Add</i>	9.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0034 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	128.80	10.66
<i>For Pulse Start Ballast, Add</i>	11.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0035 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	182.22	10.66
<i>For Pulse Start Ballast, Add</i>	16.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0036 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0029)</small>		
26 01 50 52-0037 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	139.75	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0038 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast.....	150.04	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0039 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0040 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041 EA 1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	238.41	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0042 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0039)</small>		
26 01 50 52-0043 EA 1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	386.01	20.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 01 50 52-0044 EA 1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	429.88	20.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 01 50 52-0045 EA 1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast.....	414.70	20.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 01 50 52-0046 Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0047 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	295.56	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0049 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	336.64	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0050 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	447.43	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0051 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	445.04	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0052 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	626.55	11.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.73	
26 01 50 52-0053 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	626.55	11.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.73	
26 01 50 52-0054 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	428.74	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0055 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	505.95	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0056 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0046)</small>		
26 01 50 52-0057 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	559.05	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0058 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	531.84	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0059 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	686.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0060 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast.....	686.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0061 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0062 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0061)</small>		
26 01 50 52-0063 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	333.20	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0064 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	360.62	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0065 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	357.92	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0066 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	376.29	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0067 EA 2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	602.59	11.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.73	
26 01 50 52-0068 EA 2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	742.86	11.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.73	
26 01 50 52-0069 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	562.24	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0070 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	511.09	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0071 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0061)</small>		
26 01 50 52-0072 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	432.69	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0073 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	467.28	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0074 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	702.09	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0075 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	602.88	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0076 Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0077 Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0076)</small>		
26 01 50 52-0078 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	127.88	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0079 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	127.88	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0080 EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	145.22	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0081 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	388.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0082 EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	388.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0083 EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	388.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0084 EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	388.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0085 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	388.12	10.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0086 Owner Supplied Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0087 EA Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	8.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.56	
26 01 50 52-0088 EA Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	10.66	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.20	
26 01 50 52-0089 EA Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	12.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 01 50 52-0090 EA Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	13.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.97	
26 01 50 52-0091 EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	14.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.48	
26 01 50 52-0092 EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	15.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.73	
26 01 50 53 Lens and Accessory Replacement <small>(26 01 50)</small>		
26 01 50 53-0001 EA Parabolic Aluminum Louver Replacement.....	83.80	
26 01 50 53-0002 EA Visor For Fixtures.....	159.82	
26 01 50 53-0003 EA Replace Globe On Pole.....	201.98	
26 01 50 53-0004 EA Replace Lenses For Flat Top Pole Fixtures.....	74.69	
26 01 50 53-0005 EA Replace 1' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	24.06	
26 01 50 53-0006 EA Replace 2' x 2' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	25.27	
26 01 50 53-0007 EA Replace 2' x 4' Diffuser With Prismatic Acrylic Diffuser, 0.125" Thick.....	30.55	
26 01 50 53-0008 EA Replace Slide-On Lampholder.....	10.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 01 50 53-0009 EA Replace Screw Mount Lampholder.....	10.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 01 50 53-0010 EA Replace Medium Bi-Pin Lampholder.....	11.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 01 50 53-0011 EA Replace Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	14.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 01 50 53-0012 EA Replace Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	16.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 01 50 53-0013 EA Replace Compact Twin-Tube Lampholder, Snap-in.....	11.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 01 50 53-0014 EA Replace Exterior Light Globes39.05

26 05 Common Work Results For Electrical⁽²⁶⁾

26 05 13 Medium-Voltage Cables^(26 05)

26 05 13 00-0001

Wire And Cable^(26 05 13)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 00-0002

5 KV Cable^(26 05 13 00-0001)

26 05 13 00-0003

Shielded, XLP Insulation 5 KV, Single Copper Conductor^(26 05 13 00-0002)

Note: Conductor pulled in duct, 133 percent insulation.

26 05 13 00-0004	MLF #6 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	2,550.97	650.74
26 05 13 00-0005	MLF #4 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,025.75	710.56
26 05 13 00-0006	MLF #2 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	3,615.87	802.82
26 05 13 00-0007	MLF #1/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	4,697.64	989.10
26 05 13 00-0008	MLF #2/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	5,351.81	1,113.82
26 05 13 00-0009	MLF #3/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	6,582.33	1,236.31
26 05 13 00-0010	MLF #4/0 AWG Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	7,409.33	1,389.12
26 05 13 00-0011	MLF 250 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	8,806.40	1,545.46
26 05 13 00-0012	MLF 350 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	10,261.19	1,845.24
26 05 13 00-0013	MLF 500 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	12,953.19	2,169.04
26 05 13 00-0014	MLF 750 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	17,618.27	1,854.51
26 05 13 00-0015	MLF 1,000 MCM Cable, XLP, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor	25,792.46	2,943.66

26 05 13 00-0016

Shielded, XLP Insulated, 5 KV, Single Copper Conductor^(26 05 13 00-0002)

Note: Buried in trench, excludes excavation, 133 percent insulation.

26 05 13 00-0017	MLF #6 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,469.63	
26 05 13 00-0018	MLF #4 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,794.82	
26 05 13 00-0019	MLF #2 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,154.24	
26 05 13 00-0020	MLF #1/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,923.23	
26 05 13 00-0021	MLF #2/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,265.53	
26 05 13 00-0022	MLF #3/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,342.29	
26 05 13 00-0023	MLF #4/0 AWG Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,787.28	
26 05 13 00-0024	MLF 250 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,949.89	
26 05 13 00-0025	MLF 350 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,736.39	
26 05 13 00-0026	MLF 500 MCM Cable, XLP, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	9,692.06	

26 05 13 00-0027

Shielded, XLP Insulated, 5 KV, Single Copper Conductor^(26 05 13 00-0002)

Note: Installed on poles, aerially, 133 percent insulation.

26 05 13 00-0028	MLF #6 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,000.83	407.77
26 05 13 00-0029	MLF #4 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	2,403.95	437.23
26 05 13 00-0030	MLF #2 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,068.65	552.91
26 05 13 00-0031	MLF #1/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	3,997.18	671.22
26 05 13 00-0032	MLF #2/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	4,647.70	787.94
26 05 13 00-0033	MLF #3/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	5,870.75	901.09
26 05 13 00-0034	MLF #4/0 AWG Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	6,697.05	1,045.53
26 05 13 00-0035	MLF 250 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	8,415.81	1,315.34
26 05 13 00-0036	MLF 350 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	10,042.36	1,664.31
26 05 13 00-0037	MLF 500 MCM Cable, XLP, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation	13,051.78	2,091.05

26 05 13 00-0038

5 KV Non-Shielded Single Copper Conductor^(26 05 13 00-0002)

26 05 13 00-0039	MLF 1/0 5 KV Non-Shielded, Single Copper Conductor	5,552.09	1,296.86
26 05 13 00-0040	MLF 3/0 5 KV Non-Shielded, Single Copper Conductor	7,262.34	1,334.14
26 05 13 00-0041	MLF 4/0 5 KV Non-Shielded, Single Copper Conductor	7,566.90	1,363.62
26 05 13 00-0042	MLF 350 MCM 5 KV Non-Shielded, Single Copper Conductor.....	9,066.74	1,415.64
26 05 13 00-0043	MLF 500 MCM 5 KV Non-Shielded, Single Copper Conductor.....	12,948.76	1,483.61
26 05 13 00-0044	MLF 750 MCM 5 KV Non-Shielded, Single Copper Conductor.....	20,035.85	1,854.51
26 05 13 00-0045	MLF 1,000 MCM 5 KV Non-Shielded, Single Copper Conductor.....	23,121.23	2,472.71

26 05 13 00-0046

Shielded, EPR Insulation 5 KV, Single Copper Conductor^(26 05 13 00-0002)

Note: Conductor pulled in duct, 133 percent insulation.

26 05 13 00-0047	MLF #6 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	2,717.33	650.74
26 05 13 00-0048	MLF #4 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,250.64	710.56
26 05 13 00-0049	MLF #2 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	3,905.46	802.82
26 05 13 00-0050	MLF #1 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	4,501.67	895.92
26 05 13 00-0051	MLF #1/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,098.13	989.10
26 05 13 00-0052	MLF #2/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	5,813.92	1,113.82
26 05 13 00-0053	MLF #3/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	7,210.79	1,236.31
26 05 13 00-0054	MLF #4/0 AWG Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	8,117.89	1,389.12
26 05 13 00-0055	MLF 250 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	9,696.11	1,545.46
26 05 13 00-0056	MLF 350 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	11,277.82	1,845.24
26 05 13 00-0057	MLF 500 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	14,308.70	2,169.04
26 05 13 00-0058	MLF 750 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	19,955.03	1,854.51



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0059	MLF 1,000 MCM Cable, EPR, 5 KV, Placed In Conduit, Shielded, Single Copper Conductor.....	29,110.45	2,943.66
26 05 13 00-0060	Shielded, EPR Insulated, 5 KV, Single Copper Conductor <small>(26 05 13 00-0002)</small> Note: Buried in trench, excludes excavation, 133 percent insulation.		
26 05 13 00-0061	MLF #6 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	2,635.99	
26 05 13 00-0062	MLF #4 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,019.72	
26 05 13 00-0063	MLF #2 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,443.83	
26 05 13 00-0064	MLF #1 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	3,884.13	
26 05 13 00-0065	MLF #1/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,323.72	
26 05 13 00-0066	MLF #2/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	4,727.64	
26 05 13 00-0067	MLF #3/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	5,970.75	
26 05 13 00-0068	MLF #4/0 AWG Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	6,495.84	
26 05 13 00-0069	MLF 250 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	7,839.60	
26 05 13 00-0070	MLF 350 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	8,753.03	
26 05 13 00-0071	MLF 500 MCM Cable, EPR, 5 KV, Direct Burial, Shielded, Single Copper Conductor, 133% Insulation.....	11,047.58	
26 05 13 00-0072	Shielded, EPR Insulated, 5 KV, Single Copper Conductor <small>(26 05 13 00-0002)</small> Note: Installed on poles, aerially, 133 percent insulation.		
26 05 13 00-0073	MLF #6 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,167.19	407.77
26 05 13 00-0074	MLF #4 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	2,628.84	437.23
26 05 13 00-0075	MLF #2 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,358.24	552.91
26 05 13 00-0076	MLF #1 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	3,876.86	611.62
26 05 13 00-0077	MLF #1/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	4,397.67	671.22
26 05 13 00-0078	MLF #2/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	5,109.81	787.94
26 05 13 00-0079	MLF #3/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	6,499.21	901.09
26 05 13 00-0080	MLF #4/0 AWG Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	7,405.61	1,045.53
26 05 13 00-0081	MLF 250 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	9,305.52	1,315.34
26 05 13 00-0082	MLF 350 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	11,059.00	1,664.31
26 05 13 00-0083	MLF 500 MCM Cable, EPR, 5 KV, On Poles, Shielded, Single Copper Conductor, 133% Insulation.....	14,407.29	2,091.05
26 05 13 00-0084	Greater Than 5 KV Cable <small>(26 05 13 00-0001)</small>		
26 05 13 00-0085	XLP, 15 KV, Shielded, Single Conductor, 133% Insulation Cable <small>(26 05 13 00-0084)</small>		
26 05 13 00-0086	Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small>		
26 05 13 00-0087	MLF #4 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,352.75	1,296.86
26 05 13 00-0088	MLF #2 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,782.11	1,296.86
26 05 13 00-0089	MLF #1 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,945.88	1,296.86
26 05 13 00-0090	MLF #1/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,479.39	1,296.86
26 05 13 00-0091	MLF #2/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,985.77	1,296.86
26 05 13 00-0092	MLF #3/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,977.77	1,353.70
26 05 13 00-0093	MLF #4/0 AWG, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,176.70	1,353.70
26 05 13 00-0094	MLF 250 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,416.81	1,415.64
26 05 13 00-0095	MLF 350 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,666.25	1,448.84
26 05 13 00-0096	MLF 500 MCM, Placed In Duct, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	12,769.68	1,483.61
26 05 13 00-0097	Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small> Note: Buried in trench, excludes excavation.		
26 05 13 00-0098	MLF #1 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,550.85	
26 05 13 00-0099	MLF #1/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,084.36	
26 05 13 00-0100	MLF #2/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,590.74	
26 05 13 00-0101	MLF #3/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,600.68	
26 05 13 00-0102	MLF #4/0 AWG, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,799.61	
26 05 13 00-0103	MLF 250 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	8,116.47	
26 05 13 00-0104	MLF 350 MCM, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,368.11	
26 05 13 00-0105	MLF 500 MCM Cable, Direct Burial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation.....	11,456.67	
26 05 13 00-0106	Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0085)</small> Note: Installed on poles.		
26 05 13 00-0107	MLF #1 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	4,241.77	582.53
26 05 13 00-0108	MLF #1/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,009.46	671.22
26 05 13 00-0109	MLF #2/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	5,824.06	787.94
26 05 13 00-0110	MLF #3/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	6,972.90	901.09
26 05 13 00-0111	MLF #4/0 AWG, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	7,553.14	1,045.53
26 05 13 00-0112	MLF 250 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	9,091.48	1,217.13
26 05 13 00-0113	MLF 350 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,788.94	1,418.27
26 05 13 00-0114	MLF 500 MCM, Aerial, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable.....	13,410.65	1,647.45
26 05 13 00-0115	Shielded, EPR Insulated <small>(26 05 13 00-0084)</small>		
26 05 13 00-0116	Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0117	MLF		#4 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,732.66	1,296.86
26 05 13 00-0118	MLF		#2 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,239.30	1,296.86
26 05 13 00-0119	MLF		#1 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,432.55	1,296.86
26 05 13 00-0120	MLF		#1/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,062.09	1,296.86
26 05 13 00-0121	MLF		#2/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,659.63	1,296.86
26 05 13 00-0122	MLF		#3/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,804.62	1,353.70
26 05 13 00-0123	MLF		#4/0 AWG, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,039.36	1,353.70
26 05 13 00-0124	MLF		250 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,474.79	1,415.64
26 05 13 00-0125	MLF		350 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	11,934.20	1,448.84
26 05 13 00-0126	MLF		500 MCM, Placed In Duct, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	14,400.59	1,483.61
26 05 13 00-0127			Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
			Note: Buried in trench, excludes excavation.		
26 05 13 00-0128	MLF		#1 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,037.52	
26 05 13 00-0129	MLF		#1/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,667.06	
26 05 13 00-0130	MLF		#2/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,264.59	
26 05 13 00-0131	MLF		#3/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,427.53	
26 05 13 00-0132	MLF		#4/0 AWG, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,662.27	
26 05 13 00-0133	MLF		250 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	9,171.37	
26 05 13 00-0134	MLF		350 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,630.24	
26 05 13 00-0135	MLF		500 MCM, Direct Burial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	13,087.59	
26 05 13 00-0136			Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable <small>(26 05 13 00-0115)</small>		
			Note: Installed on poles.		
26 05 13 00-0137	MLF		#1 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	4,728.44	582.53
26 05 13 00-0138	MLF		#1/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	5,592.16	671.22
26 05 13 00-0139	MLF		#2/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	6,497.91	787.94
26 05 13 00-0140	MLF		#3/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	7,799.75	901.09
26 05 13 00-0141	MLF		#4/0 AWG, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	8,415.80	1,045.53
26 05 13 00-0142	MLF		250 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	10,149.46	1,217.13
26 05 13 00-0143	MLF		350 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	12,056.89	1,418.27
26 05 13 00-0144	MLF		500 MCM, Aerial, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable	15,041.57	1,647.45
26 05 13 00-0145			15 KV Non-Shielded Single Copper Conductor <small>(26 05 13 00-0084)</small>		
26 05 13 00-0146	MLF		1/0 15 KV Non-Shielded, Single Copper Conductor	7,647.07	1,301.40
26 05 13 00-0147	MLF		3/0 15 KV Non-Shielded, Single Copper Conductor	9,917.98	1,363.62
26 05 13 00-0148	MLF		350 MCM 15 KV Non-Shielded, Single Copper Conductor.....	13,606.40	1,454.49
26 05 13 00-0149			Shielded Armored Copper, 15 KV, 3 Conductor <small>(26 05 13 00-0084)</small>		
			Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 00-0150			Galvanized Steel Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0151	LF		#2 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	36.55	9.92
26 05 13 00-0152	LF		#1/0 AWG TC 3 Conductor 15 KV Galvanized Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	43.61	10.57
26 05 13 00-0153			Aluminum Interlocked Armor Cable <small>(26 05 13 00-0149)</small>		
26 05 13 00-0154	LF		#2 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	36.55	9.92
26 05 13 00-0155	LF		#1/0 AWG TC 3 Conductor 15 KV Aluminum Armored Shielded, Laid In Cable Tray Or Hung Vertically.....	43.61	10.57
26 05 13 00-0156			Type URD, 15 KV Primary Concentric UD Cable <small>(26 05 13 00-0084)</small>		
			Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 00-0157	MLF		#4 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	2,650.45	650.74
26 05 13 00-0158	MLF		#2 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	3,160.22	710.56
26 05 13 00-0159	MLF		#1 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	3,789.02	802.82
26 05 13 00-0160	MLF		#1/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	4,930.54	986.41
26 05 13 00-0161	MLF		#2/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	5,619.79	1,110.48
26 05 13 00-0162	MLF		#3/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	6,958.11	1,236.31
26 05 13 00-0163	MLF		#4/0 AWG Cable, Type URD (XLPE), 15 KV, Placed In Conduit, Shielded, Single Conductor.....	7,820.06	1,383.93
26 05 13 00-0164			15 KV URD Cable Copper Direct Burial <small>(26 05 13 00-0084)</small>		
26 05 13 00-0165	MLF		15 KV 3/C URD Cable Copper Direct Burial #6	12,756.79	
26 05 13 00-0166			Greater Than 25 KV Shielded Single Conductor Copper <small>(26 05 13 00-0084)</small>		
26 05 13 00-0167			35 KV Shielded Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0168	MLF		3/0 35 KV Shielded, Single Copper Conductor	13,569.85	2,146.01
26 05 13 00-0169			70 KV Shielded Single Copper Conductor <small>(26 05 13 00-0166)</small>		
26 05 13 00-0170	MLF		350 MCM 70 KV Shielded, Single Copper Conductor.....	44,281.67	2,446.49



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0171				Wire Connections <small>(26 05 13 00-0001)</small>		
26 05 13 00-0172				Medium Voltage Up To 5 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0173				Shielded One Conductor Cable Splice <small>(26 05 13 00-0172)</small>		
26 05 13 00-0174	EA			#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	205.49	82.30
26 05 13 00-0175	EA			#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.35	82.30
26 05 13 00-0176	EA			1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	241.35	82.30
26 05 13 00-0177	EA			2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.83	98.75
26 05 13 00-0178	EA			3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.83	98.75
26 05 13 00-0179	EA			4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	265.83	98.75
26 05 13 00-0180	EA			250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.49	115.21
26 05 13 00-0181	EA			350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.49	115.21
26 05 13 00-0182	EA			500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	298.49	115.21
26 05 13 00-0183				Cable Termination Without Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0184	EA			#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	198.96	98.75
26 05 13 00-0185	EA			250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	234.70	115.21
26 05 13 00-0186				Cable Termination With Stress Cone <small>(26 05 13 00-0172)</small>		
26 05 13 00-0187	EA			#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	700.00	197.51
26 05 13 00-0188	EA			250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	968.00	271.56
26 05 13 00-0189				Connect To Pothead, Pothead Included <small>(26 05 13 00-0172)</small>		
26 05 13 00-0190	EA			#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	721.66	197.51
26 05 13 00-0191	EA			250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	898.23	226.30
26 05 13 00-0192				Two Conductor Pothead <small>(26 05 13 00-0172)</small>		
				Note: Includes 5 KV pothead.		
26 05 13 00-0193	EA			#6 To 4/0 AWG 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	679.08	271.56
26 05 13 00-0194	EA			250 To 350 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	881.46	345.63
26 05 13 00-0195	EA			400 To 700 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,194.14	391.87
26 05 13 00-0196	EA			750 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,735.15	457.21
26 05 13 00-0197	EA			1,000 MCM 2/c 5 KV Pothead (Included) Medium Voltage To 5 KV	3,013.13	685.75
26 05 13 00-0198				Three Conductor Pothead <small>(26 05 13 00-0172)</small>		
				Note: Includes 5 KV pothead.		
26 05 13 00-0199	EA			#6 To 4/0 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	1,926.72	395.00
26 05 13 00-0200	EA			250 To 500 MCM 3/c 5 KV Pothead (Included) Medium Voltage To 5 KV	2,142.00	460.84
26 05 13 00-0201				Copper Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
				Note: For bare wire.		
26 05 13 00-0202	EA			#6 AWG Crimp Compression Connection For Bare Copper Wire.....	52.47	
26 05 13 00-0203	EA			#4 AWG Crimp Compression Connection For Bare Copper Wire.....	57.58	
26 05 13 00-0204	EA			#3 AWG Crimp Compression Connection For Bare Copper Wire.....	67.16	
26 05 13 00-0205	EA			#2 AWG Crimp Compression Connection For Bare Copper Wire.....	76.43	
26 05 13 00-0206	EA			#1 AWG Crimp Compression Connection For Bare Copper Wire.....	86.12	
26 05 13 00-0207	EA			1/0 AWG Crimp Compression Connection For Bare Copper Wire.....	95.66	
26 05 13 00-0208	EA			2/0 AWG Crimp Compression Connection For Bare Copper Wire.....	105.12	
26 05 13 00-0209	EA			3/0 AWG Crimp Compression Connection For Bare Copper Wire.....	114.88	
26 05 13 00-0210	EA			4/0 AWG Crimp Compression Connection For Bare Copper Wire.....	124.44	
26 05 13 00-0211	EA			250 MCM Crimp Compression Connection For Bare Copper Wire.....	134.16	
26 05 13 00-0212	EA			300 MCM Crimp Compression Connection For Bare Copper Wire.....	144.03	
26 05 13 00-0213	EA			350 MCM Crimp Compression Connection For Bare Copper Wire.....	153.50	
26 05 13 00-0214	EA			400 MCM Crimp Compression Connection For Bare Copper Wire.....	173.14	
26 05 13 00-0215	EA			500 MCM Crimp Compression Connection For Bare Copper Wire.....	193.18	
26 05 13 00-0216				Aluminum Cable Splice, Crimp Compression Connection <small>(26 05 13 00-0172)</small>		
				Note: For bare wire.		
26 05 13 00-0217	EA			#6 AWG Crimp Compression Connection For Bare Aluminum Wire	53.25	
26 05 13 00-0218	EA			#4 AWG Crimp Compression Connection For Bare Aluminum Wire	58.01	
26 05 13 00-0219	EA			#2 AWG Crimp Compression Connection For Bare Aluminum Wire	77.84	
26 05 13 00-0220	EA			#1 AWG Crimp Compression Connection For Bare Aluminum Wire	89.71	
26 05 13 00-0221	EA			1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	99.05	
26 05 13 00-0222	EA			2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	108.35	
26 05 13 00-0223	EA			3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	118.63	
26 05 13 00-0224	EA			4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	128.41	
26 05 13 00-0225	EA			250 MCM Crimp Compression Connection For Bare Aluminum Wire	138.03	
26 05 13 00-0226	EA			300 MCM Crimp Compression Connection For Bare Aluminum Wire	147.81	
26 05 13 00-0227	EA			350 MCM Crimp Compression Connection For Bare Aluminum Wire	157.47	
26 05 13 00-0228	EA			400 MCM Crimp Compression Connection For Bare Aluminum Wire	178.83	
26 05 13 00-0229	EA			500 MCM Crimp Compression Connection For Bare Aluminum Wire	200.29	

26 Electrical**26 05 Common Work Results For Electrical****26 05 13 Medium-Voltage Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 00-0230 15 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0231 Single Conductor Pothead On Racks <small>(26 05 13 00-0230)</small> Note: Includes pothead.		
26 05 13 00-0232 EA #2 To 4/0 AWG 1/c 15 KV Pothead (Included), On Racks.....	836.22	345.63
26 05 13 00-0233 EA 250 To 500 MCM 1/c 15 KV Pothead (Included), On Racks.....	1,056.63	427.91
26 05 13 00-0234 Two Conductor Pothead On Rack <small>(26 05 13 00-0230)</small> Note: Includes pothead.		
26 05 13 00-0235 EA #2 To 4/0 AWG 2/c 15 KV Pothead (Included), On Racks.....	1,257.94	526.67
26 05 13 00-0236 EA 250 To 500 MCM 2/c 15 KV Pothead (Included), On Racks.....	1,500.04	625.42
26 05 13 00-0237 Three Conductor Pothead On Rack <small>(26 05 13 00-0230)</small> Note: Includes pothead.		
26 05 13 00-0238 EA #2 To 4/0 AWG 3/c 15 KV Pothead (Included), On Racks.....	1,620.34	683.03
26 05 13 00-0239 EA 250 To 500 MCM 3/c 15 KV Pothead (Included), On Racks.....	2,021.93	855.84
26 05 13 00-0240 Stress Relief Cone On Rack <small>(26 05 13 00-0230)</small>		
26 05 13 00-0241 EA #2 To 4/0 AWG Stress Relief Cone, On Rack.....	810.05	345.63
26 05 13 00-0242 EA 250 To 500 MCM Stress Relief Cone, On Rack.....	1,027.21	427.91
26 05 13 00-0243 Grounded, Shielded Cable Splice <small>(26 05 13 00-0230)</small>		
26 05 13 00-0244 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....	580.11	255.11
26 05 13 00-0245 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....	745.95	329.17
26 05 13 00-0246 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way.....	2,799.42	905.21
26 05 13 00-0247 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way.....	3,391.94	987.51
26 05 13 00-0248 Cable Termination <small>(26 05 13 00-0230)</small>		
26 05 13 00-0249 EA #2 To 3/0 AWG Cable Termination 15 KV.....	355.55	144.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.41	
26 05 13 00-0250 EA 4/0 To 250 MCM Cable Termination 15 KV.....	452.94	185.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	111.09	
26 05 13 00-0251 EA 350 To 500 MCM Cable Termination 15 KV.....	557.77	226.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.78	
26 05 13 00-0252 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV.....	215.52	82.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.37	
26 05 13 00-0253 Stress Cones, 5-15 KV, 4 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0254 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	364.87	106.98
26 05 13 00-0255 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....	411.17	118.24
26 05 13 00-0256 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....	475.50	129.39
26 05 13 00-0257 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....	591.45	149.08
26 05 13 00-0258 Stress Cones, 5-15 KV, 6 Skirted <small>(26 05 13 00-0230)</small>		
26 05 13 00-0259 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	729.76	214.32
26 05 13 00-0260 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....	822.41	236.47
26 05 13 00-0261 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....	941.41	253.98
26 05 13 00-0262 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....	1,182.90	298.16
26 05 13 00-0263 35 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0264 35 KV One Conductor Splice <small>(26 05 13 00-0263)</small>		
26 05 13 00-0265 EA Cable Splicing, #1 Stranded To 4/0 Stranded, 35 KV.....	1,442.14	
26 05 13 00-0266 Cable Termination <small>(26 05 13 00-0263)</small>		
26 05 13 00-0267 EA #2 To 3/0 AWG Cable Termination 35 KV.....	279.13	98.83
26 05 13 00-0268 EA 3/0 AWG To 250 MCM Cable Termination 35 KV.....	397.88	149.12
26 05 13 00-0269 EA 350 To 500 MCM Cable Termination 35 KV.....	445.87	159.48
26 05 13 00-0270 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV.....	226.06	82.30
26 05 13 00-0271 70 KV <small>(26 05 13 00-0171)</small>		
26 05 13 00-0272 Cable Splice <small>(26 05 13 00-0271)</small>		
26 05 13 00-0273 EA Cable Splicing, 350 MCM 70 KV.....	4,738.24	
26 05 13 00-0274 EA Cable Splicing, #2 To 4/0 70 KV.....	1,468.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 Low-Voltage Electrical Power Conductors And Cables (26 05)

26 05 19 16 Low-Voltage, Single-And Multi-Conductor Cables (26 05 19)

26 05 19 16-0001 Cable Installation Methods (26 05 19 16)

26 05 19 16-0002 Pull Cord (26 05 19 16-0001)

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit.....	0.26
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits	0.13
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit.....	0.58
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits.....	0.34

26 05 19 16-0007 Bore Conduit Into Dirt Or Sand (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand	2.30
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand	2.93
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge.....	322.37

Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.

26 05 19 16-0011 Wire and Cable (26 05 19 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 19 16-0012 600 Volt Wire (26 05 19 16-0011)

26 05 19 16-0013 Single Solid Conductor, Copper (26 05 19 16-0012)

26 05 19 16-0014	MLF	#14 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	442.39		182.59
26 05 19 16-0015	MLF	#12 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	550.86		214.79
26 05 19 16-0016	MLF	#10 AWG Cable - Type THHN-THWN, 600 Volt Copper, Single Solid, Placed In Conduit.....	676.82		262.64
26 05 19 16-0017	MLF	#14 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	579.96		182.59
26 05 19 16-0018	MLF	#12 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	700.61		214.79
26 05 19 16-0019	MLF	#10 AWG Cable - Type XHHW, 600 Volt Copper, Single Solid, Placed In Conduit.....	839.96		262.64

26 05 19 16-0020 Power Cable, Stranded Conductor, Copper (26 05 19 16-0012)

26 05 19 16-0021 Power Cable, Stranded, Single Conductor, XHHW (26 05 19 16-0020)

26 05 19 16-0022	MLF	#16 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	462.66		150.47
26 05 19 16-0023	MLF	#14 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	547.04		180.56
26 05 19 16-0024	MLF	#12 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	670.02		210.66
26 05 19 16-0025	MLF	#10 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	819.07		240.74
26 05 19 16-0026	MLF	#8 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,085.94		300.93
26 05 19 16-0027	MLF	#6 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,454.37		361.11
26 05 19 16-0028	MLF	#4 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,979.05		451.40
26 05 19 16-0029	MLF	#3 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,335.28		511.58
26 05 19 16-0030	MLF	#2 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,755.66		571.77
26 05 19 16-0031	MLF	#1 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,394.69		631.96
26 05 19 16-0032	MLF	1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,062.85		722.24
26 05 19 16-0033	MLF	2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,852.26		812.51
26 05 19 16-0034	MLF	3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,788.53		902.80
26 05 19 16-0035	MLF	4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,911.92		993.08
26 05 19 16-0036	MLF	250 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,333.61		1,083.35
26 05 19 16-0037	MLF	300 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,664.89		1,173.64
26 05 19 16-0038	MLF	350 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,246.78		1,263.91
26 05 19 16-0039	MLF	400 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	10,326.54		1,354.19
26 05 19 16-0040	MLF	500 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,923.20		1,444.48
26 05 19 16-0041	MLF	600 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	13,703.84		1,564.85
26 05 19 16-0042	MLF	750 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	20,654.59		1,745.41
26 05 19 16-0043	MLF	1,000 MCM Cable - XLP (XHHW), 600 Volt Copper, Single Stranded, Placed In Conduit.....	29,017.73		2,046.34

26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW (26 05 19 16-0020)

26 05 19 16-0045	MLF	2/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,094.08		361.04
26 05 19 16-0046	MLF	3/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,340.19		421.38
26 05 19 16-0047	MLF	4/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,661.60		511.58
26 05 19 16-0048	MLF	6/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,965.05		556.50
26 05 19 16-0049	MLF	7/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,109.26		586.74
26 05 19 16-0050	MLF	9/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,477.85		646.85
26 05 19 16-0051	MLF	10/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,781.15		674.23
26 05 19 16-0052	MLF	12/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,990.94		737.29
26 05 19 16-0053	MLF	14/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,295.36		782.58
26 05 19 16-0054	MLF	24/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,778.28		993.15
26 05 19 16-0055	MLF	37/c #14 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	7,225.20		1,474.57
26 05 19 16-0056	MLF	2/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,340.23		421.38
26 05 19 16-0057	MLF	3/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,709.21		511.58
26 05 19 16-0058	MLF	4/c #12 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,078.23		601.87

26 Electrical
26 05 Common Work Results For Electrical
26 05 19 Low-Voltage Electrical Power Conductors And Cables



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 05 19 16-0059	MLF 2/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	1,788.01	541.45
26 05 19 16-0060	MLF 3/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,305.32	661.45
26 05 19 16-0061	MLF 4/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,975.69	842.76
26 05 19 16-0062	MLF 6/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,012.53	1,083.73
26 05 19 16-0063	MLF 9/c #10 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,415.69	1,384.36
26 05 19 16-0064	MLF 2/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,209.49	616.91
26 05 19 16-0065	MLF 3/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,806.41	722.24
26 05 19 16-0066	MLF 4/c #8 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,629.03	917.85
26 05 19 16-0067	MLF 2/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	2,833.58	692.14
26 05 19 16-0068	MLF 3/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,798.85	857.66
26 05 19 16-0069	MLF 4/c #6 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,850.73	1,057.78
26 05 19 16-0070	MLF 2/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	3,800.44	839.75
26 05 19 16-0071	MLF 3/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	4,952.96	960.50
26 05 19 16-0072	MLF 4/c #4 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	6,398.72	1,198.61
26 05 19 16-0073	MLF 2/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	5,209.62	1,022.87
26 05 19 16-0074	MLF 3/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	6,838.29	1,143.84
26 05 19 16-0075	MLF 4/c #2 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	9,066.59	1,504.66
26 05 19 16-0076	MLF 3/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	9,054.95	1,444.25
26 05 19 16-0077	MLF 4/c #1 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	11,771.24	1,804.84
26 05 19 16-0078	MLF 3/c #1/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	10,684.56	1,565.15
26 05 19 16-0079	MLF 3/c #2/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	12,974.96	1,804.84
26 05 19 16-0080	MLF 3/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	15,858.66	2,105.62
26 05 19 16-0081	MLF 4/c #3/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	20,894.22	2,707.26
26 05 19 16-0082	MLF 3/c #4/0 AWG Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	19,311.48	2,409.49
26 05 19 16-0083	MLF 3/c 250 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	20,643.70	2,707.26
26 05 19 16-0084	MLF 3/c 350 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	25,784.25	3,009.32
26 05 19 16-0085	MLF 3/c 500 MCM Cable - XLP (XHHW), 600 Volt Copper, Stranded, Placed In Conduit.....	33,204.53	3,307.39

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF #10 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	986.04	
26 05 19 16-0088	MLF #8 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,419.31	
26 05 19 16-0089	MLF #6 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	1,902.41	
26 05 19 16-0090	MLF #4 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	2,252.27	
26 05 19 16-0091	MLF #2 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	3,113.25	
26 05 19 16-0092	MLF #1 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	3,937.26	
26 05 19 16-0093	MLF #1/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	4,508.37	
26 05 19 16-0094	MLF #2/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	5,342.42	
26 05 19 16-0095	MLF #3/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	6,366.82	
26 05 19 16-0096	MLF #4/0 AWG Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	7,356.60	
26 05 19 16-0097	MLF 250 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	10,309.94	
26 05 19 16-0098	MLF 300 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	11,970.15	
26 05 19 16-0099	MLF 350 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	13,411.86	
26 05 19 16-0100	MLF 400 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	15,300.60	
26 05 19 16-0101	MLF 500 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	19,392.47	
26 05 19 16-0102	MLF 750 MCM Cable - Type USE, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuits.....	22,957.67	
26 05 19 16-0103	MLF #14 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	691.71	
26 05 19 16-0104	MLF #12 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	848.29	
26 05 19 16-0105	MLF #10 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,053.13	
26 05 19 16-0106	MLF #8 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,273.38	
26 05 19 16-0107	MLF #6 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,722.41	
26 05 19 16-0108	MLF #4 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,384.45	
26 05 19 16-0109	MLF #2 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,371.51	
26 05 19 16-0110	MLF #1 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,134.48	
26 05 19 16-0111	MLF #1/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,657.58	
26 05 19 16-0112	MLF #2/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,254.23	
26 05 19 16-0113	MLF #3/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,240.83	
26 05 19 16-0114	MLF #4/0 AWG Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,495.22	
26 05 19 16-0115	MLF 250 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,642.26	
26 05 19 16-0116	MLF 300 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,868.31	
26 05 19 16-0117	MLF 350 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	11,224.20	
26 05 19 16-0118	MLF 400 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	12,636.62	
26 05 19 16-0119	MLF 500 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	15,150.99	
26 05 19 16-0120	MLF 750 MCM Cable - XLP (XHHW), 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	27,524.72	
26 05 19 16-0121	MLF #14 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	458.43	
26 05 19 16-0122	MLF #12 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	569.10	
26 05 19 16-0123	MLF #10 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	703.44	
26 05 19 16-0124	MLF #8 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	984.86	
26 05 19 16-0125	MLF #6 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,336.43	
26 05 19 16-0126	MLF #4 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	1,762.29	
26 05 19 16-0127	MLF #2 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,513.16	
26 05 19 16-0128	MLF #1 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	2,990.24	
26 05 19 16-0129	MLF #1/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,478.41	
26 05 19 16-0130	MLF #2/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	3,945.22	
26 05 19 16-0131	MLF #3/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	4,674.09	
26 05 19 16-0132	MLF #4/0 AWG Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	5,564.19	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0133	MLF 250 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	6,526.47		
26 05 19 16-0134	MLF 300 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	7,528.75		
26 05 19 16-0135	MLF 350 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	8,605.47		
26 05 19 16-0136	MLF 400 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	9,644.63		
26 05 19 16-0137	MLF 500 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	11,439.60		
26 05 19 16-0138	MLF 600 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	14,244.54		
26 05 19 16-0139	MLF 750 MCM Cable - Type THHN-THWN, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit.....	21,651.95		
26 05 19 16-0140	MLF #2 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	4,206.44		
26 05 19 16-0141	MLF #1/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,073.35		
26 05 19 16-0142	MLF #2/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	6,739.44		
26 05 19 16-0143	MLF #3/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	7,661.88		
26 05 19 16-0144	MLF #4/0 AWG Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	8,518.89		
26 05 19 16-0145	MLF 250 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	9,175.98		
26 05 19 16-0146	MLF 350 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	13,257.43		
26 05 19 16-0147	MLF 400 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	14,419.49		
26 05 19 16-0148	MLF 500 MCM Cable - Type EPR, 600 Volt Single Stranded Copper, Underground Feeder And Branch Circuit	16,480.00		
26 05 19 16-0149	600 Volt, Armored Cable, Copper Conductors <small>(26 05 19 16-0012)</small>			
26 05 19 16-0150	ACTHH, Solid <small>(26 05 19 16-0149)</small>			
26 05 19 16-0151	MLF #8 AWG Cable - Type ACT, 1 Conductor, Solid	1,769.37		493.75
26 05 19 16-0152	MLF #6 AWG Cable - Type ACT, 1 Conductor, Solid	2,040.95		559.59
26 05 19 16-0153	MLF #4 AWG Cable - Type ACT, 1 Conductor, Solid	2,336.73		592.51
26 05 19 16-0154	MLF #14 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,548.57		822.92
26 05 19 16-0155	MLF #12 AWG Cable - Type ACTHH, 2 Conductors, Solid	2,729.47		921.51
26 05 19 16-0156	MLF #10 AWG Cable - Type ACTHH, 2 Conductors, Solid	3,459.73		1,021.00
26 05 19 16-0157	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Solid	4,528.03		1,119.58
26 05 19 16-0158	MLF #14 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,083.80		921.51
26 05 19 16-0159	MLF #12 AWG Cable - Type ACTHH, 3 Conductors, Solid	3,229.10		1,021.00
26 05 19 16-0160	MLF #10 AWG Cable - Type ACTHH, 3 Conductors, Solid	4,133.46		1,152.59
26 05 19 16-0161	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Solid	5,376.26		1,250.68
26 05 19 16-0162	MLF #14 AWG Cable - Type ACTHH, 4 Conductors, Solid	3,679.34		1,021.00
26 05 19 16-0163	MLF #12 AWG Cable - Type ACTHH, 4 Conductors, Solid	4,030.84		1,152.59
26 05 19 16-0164	MLF #10 AWG Cable - Type ACTHH, 4 Conductors, Solid	5,134.18		1,283.84
26 05 19 16-0165	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Solid	6,667.90		1,383.09
26 05 19 16-0166	ACTHH, Stranded <small>(26 05 19 16-0149)</small>			
26 05 19 16-0167	MLF #8 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	4,693.38		1,185.75
26 05 19 16-0168	MLF #6 AWG Cable - Type ACTHH, 2 Conductors, Stranded.....	5,727.65		1,349.02
26 05 19 16-0169	MLF #8 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	5,541.34		1,316.68
26 05 19 16-0170	MLF #6 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	6,957.66		1,480.11
26 05 19 16-0171	MLF #4 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	8,815.73		1,645.84
26 05 19 16-0172	MLF #3 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	10,139.50		1,808.62
26 05 19 16-0173	MLF #2 AWG Cable - Type ACTHH, 3 Conductors, Stranded.....	11,623.69		1,973.45
26 05 19 16-0174	MLF #8 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	7,159.01		1,579.52
26 05 19 16-0175	MLF #6 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	8,675.97		1,743.44
26 05 19 16-0176	MLF #4 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	11,178.11		1,909.34
26 05 19 16-0177	MLF #3 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	12,251.26		2,072.86
26 05 19 16-0178	MLF #2 AWG Cable - Type ACTHH, 4 Conductors, Stranded.....	14,547.41		2,236.21
26 05 19 16-0179	HCFC, Solid <small>(26 05 19 16-0149)</small>			
26 05 19 16-0180	MLF #14 AWG Cable - Type HCF, 2 Conductors, Solid.....	2,857.14		822.92
26 05 19 16-0181	MLF #12 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,127.14		924.63
26 05 19 16-0182	MLF #10 AWG Cable - Type HCF, 2 Conductors, Solid.....	3,496.23		1,015.98
26 05 19 16-0183	MLF #14 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,467.19		924.63
26 05 19 16-0184	MLF #12 AWG Cable - Type HCF, 3 Conductors, Solid.....	3,718.75		1,015.98
26 05 19 16-0185	MLF #10 AWG Cable - Type HCF, 3 Conductors, Solid.....	4,872.20		1,159.08
26 05 19 16-0186	MLF #14 AWG Cable - Type HCF, 4 Conductors, Solid.....	4,266.12		1,015.98
26 05 19 16-0187	MLF #12 AWG Cable - Type HCF, 4 Conductors, Solid.....	4,658.74		1,159.08
26 05 19 16-0188	MLF #10 AWG Cable - Type HCF, 4 Conductors, Solid.....	6,383.76		1,285.82
26 05 19 16-0189	MC, Solid Or Stranded, Galvanized Steel Armor <small>(26 05 19 16-0149)</small>			
26 05 19 16-0190	MLF #14 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,573.70		822.92
26 05 19 16-0191	MLF #12 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,873.22		924.63
26 05 19 16-0192	MLF #10 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,479.02		1,015.98
26 05 19 16-0193	MLF #8 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,505.66		1,085.68
26 05 19 16-0194	MLF #6 AWG Cable - Type MC, 2 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,663.10		1,150.93
26 05 19 16-0195	MLF #14 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	2,979.44		924.63
26 05 19 16-0196	MLF #12 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,368.86		1,015.98
26 05 19 16-0197	MLF #10 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	4,315.96		1,159.08
26 05 19 16-0198	MLF #8 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	5,676.89		1,250.68
26 05 19 16-0199	MLF #6 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,669.26		1,349.02
26 05 19 16-0200	MLF #4 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	8,312.21		1,448.84
26 05 19 16-0201	MLF #2 AWG Cable - Type MC, 3 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	10,735.80		1,546.85
26 05 19 16-0202	MLF #14 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,469.38		1,015.98
26 05 19 16-0203	MLF #12 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	3,975.83		1,159.08
26 05 19 16-0204	MLF #10 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor.....	6,134.30		1,285.82

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0205 MLF #8 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	8,409.79	1,416.41
26 05 19 16-0206 MLF #6 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	10,337.59	1,515.50
26 05 19 16-0207 MLF #4 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	13,747.96	1,613.59
26 05 19 16-0208 MLF #2 AWG Cable - Type MC, 4 Conductors, Solid Or Stranded, Galvanized Steel Armor	17,864.59	1,710.86
26 05 19 16-0209 FPLP Solid TFN Red Armored Cable <small>(26 05 19 16-0149)</small>		
Note: Color coded red.		
26 05 19 16-0210 MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,410.78	625.42
26 05 19 16-0211 MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	2,743.50	724.17
26 05 19 16-0212 MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,369.81	822.92
26 05 19 16-0213 MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,855.91	921.68
26 05 19 16-0214 MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	2,749.09	724.17
26 05 19 16-0215 MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	3,235.71	822.92
26 05 19 16-0216 MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,016.93	921.68
26 05 19 16-0217 MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,557.90	1,020.42
26 05 19 16-0218 FPLP Solid THHN Red Armored Cable <small>(26 05 19 16-0149)</small>		
Note: Color coded red.		
26 05 19 16-0219 MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable	3,061.49	822.92
26 05 19 16-0220 MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable	3,759.91	921.68
26 05 19 16-0221 MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable	4,917.01	1,020.42
26 05 19 16-0222 MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable	5,674.36	1,119.17
26 05 19 16-0223 MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable	3,813.75	921.68
26 05 19 16-0224 MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable	4,621.90	1,020.42
26 05 19 16-0225 FPLP Twisted Shielded Pair Red Armored Cable <small>(26 05 19 16-0149)</small>		
Note: Color coded red.		
26 05 19 16-0226 MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	2,593.64	625.42
26 05 19 16-0227 MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,122.58	921.68
26 05 19 16-0228 MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	3,171.18	724.17
26 05 19 16-0229 MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	3,732.47	822.92
26 05 19 16-0230 MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,138.97	1,020.42
26 05 19 16-0231 MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	3,717.73	855.84
26 05 19 16-0232 MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	4,563.98	987.51
26 05 19 16-0233 Armored Cable Connectors <small>(26 05 19 16-0149)</small>		
26 05 19 16-0234 EA 3/4" Armored Cable Connector	4.89	1.80
<i>For Work In Restricted Working Space, Add</i>		
	1.35	
<i>For Installation Above 14', Add</i>		
	0.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.35	
26 05 19 16-0235 EA 1" Armored Cable Connector	5.77	2.11
<i>For Work In Restricted Working Space, Add</i>		
	1.58	
<i>For Installation Above 14', Add</i>		
	0.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.58	
26 05 19 16-0236 EA 1-1/4" Armored Cable Connector	8.19	3.01
<i>For Work In Restricted Working Space, Add</i>		
	2.26	
<i>For Installation Above 14', Add</i>		
	1.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.26	
26 05 19 16-0237 600 Volt, Feeder Wire, Single Stranded Copper <small>(26 05 19 16-0012)</small>		
26 05 19 16-0238 MLF #14 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	606.49	120.60
<i>For EPR Insulation, Add</i>		
	23.26	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	54.28	
26 05 19 16-0239 MLF #12 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	684.72	133.54
<i>For EPR Insulation, Add</i>		
	23.71	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	55.33	
26 05 19 16-0240 MLF #10 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	832.69	166.94
<i>For EPR Insulation, Add</i>		
	34.62	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	80.79	
26 05 19 16-0241 MLF #8 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,131.79	265.58
<i>For EPR Insulation, Add</i>		
	56.92	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	132.81	
26 05 19 16-0242 MLF #6 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	1,540.44	318.68
<i>For EPR Insulation, Add</i>		
	95.65	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	223.17	
26 05 19 16-0243 MLF #4 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,093.16	370.00
<i>For EPR Insulation, Add</i>		
	144.70	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	337.63	
26 05 19 16-0244 MLF #3 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,387.60	423.49
<i>For EPR Insulation, Add</i>		
	166.30	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	388.02	
26 05 19 16-0245 MLF #2 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	2,996.18	476.97
<i>For EPR Insulation, Add</i>		
	235.01	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	548.36	
26 05 19 16-0246 MLF #1 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit	3,696.83	531.22
<i>For EPR Insulation, Add</i>		
	317.54	
<i>For Hypalon (CSPE) Jacket, Add</i>		
	740.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0247 MLF #1/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	4,449.50 396.59 925.37	599.31
26 05 19 16-0248 MLF #2/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	5,354.75 498.52 1,163.21	664.61
26 05 19 16-0249 MLF #3/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	6,410.05 622.96 1,453.57	741.95
26 05 19 16-0250 MLF #4/0 AWG Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	7,225.48 711.42 1,659.97	824.93
26 05 19 16-0251 MLF 250 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	7,699.62 748.68 1,746.93	904.75
26 05 19 16-0252 MLF 300 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	9,064.99 919.64 2,145.82	994.58
26 05 19 16-0253 MLF 350 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	10,103.31 1,041.53 2,430.23	1,054.39
26 05 19 16-0254 MLF 400 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	11,307.69 1,188.33 2,772.77	1,178.45
26 05 19 16-0255 MLF 500 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	12,900.75 1,393.43 3,251.35	1,310.63
26 05 19 16-0256 MLF 600 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	15,079.92 1,675.17 3,908.73	1,363.60
26 05 19 16-0257 MLF 750 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	24,306.89 2,991.51 6,980.18	1,416.49
26 05 19 16-0258 MLF 1,000 MCM Cable - XLPE-USE-RHH-RHW 600 Volt Copper, Single Stranded, Placed In Conduit..... <i>For EPR Insulation, Add</i> <i>For Hypalon (CSPE) Jacket, Add</i>	30,540.28 3,881.37 9,056.54	1,513.54
26 05 19 16-0259 MLF #16 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,064.44	270.69
26 05 19 16-0260 MLF #14 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,327.70	300.93
26 05 19 16-0261 MLF #12 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,664.90	361.42
26 05 19 16-0262 MLF #10 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,973.24	421.15
26 05 19 16-0263 MLF #8 AWG Cable Type SFF-2 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,923.99	450.95
26 05 19 16-0264 MLF #18 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	346.94	150.47
26 05 19 16-0265 MLF #16 AWG Cable - Type TFFN 600 Volt Copper, Single Stranded, Placed In Conduit.....	432.78	165.51
26 05 19 16-0266 MLF #14 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	458.43	120.67
26 05 19 16-0267 MLF #12 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	569.10	143.84
26 05 19 16-0268 MLF #10 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	703.46	180.94
26 05 19 16-0269 MLF #8 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	984.86	238.49
26 05 19 16-0270 MLF #6 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,336.43	288.00
26 05 19 16-0271 MLF #4 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,762.29	340.35
26 05 19 16-0272 MLF #3 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,104.77	385.27
26 05 19 16-0273 MLF #2 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,513.16	431.46
26 05 19 16-0274 MLF #1 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,990.24	486.91
26 05 19 16-0275 MLF #1/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,478.41	533.18
26 05 19 16-0276 MLF #2/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,945.22	589.22
26 05 19 16-0277 MLF #3/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,674.09	623.23
26 05 19 16-0278 MLF #4/0 AWG Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	5,564.19	701.17
26 05 19 16-0279 MLF 250 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	6,526.47	745.93
26 05 19 16-0280 MLF 300 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	7,528.75	844.80
26 05 19 16-0281 MLF 350 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	8,605.48	934.92
26 05 19 16-0282 MLF 400 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	9,644.64	960.50
26 05 19 16-0283 MLF 500 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	11,439.60	1,016.17
26 05 19 16-0284 MLF 600 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	14,169.31	1,195.82
26 05 19 16-0285 MLF 750 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	21,651.94	1,416.49
26 05 19 16-0286 MLF 1,000 MCM Cable - Type THHN-THWN 600 Volt Copper, Single Stranded, Placed In Conduit.....	25,933.46	1,710.20
26 05 19 16-0287 MLF #16 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,788.00	361.42
26 05 19 16-0288 MLF #14 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	1,991.44	421.15
26 05 19 16-0289 MLF #12 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,306.18	481.87
26 05 19 16-0290 MLF #10 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	2,979.18	541.45
26 05 19 16-0291 MLF #8 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	3,373.42	601.87
26 05 19 16-0292 MLF #6 AWG Cable - Type TGGT High Temperature 600 Volt Copper, Single Stranded, Placed In Conduit.....	4,279.99	661.45
26 05 19 16-0293 Non-Metallic Sheathed Cable <small>(26 05 19 16-0012)</small>		
26 05 19 16-0294 Indoor Installation <small>(26 05 19 16-0293)</small> Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0295 MLF #14-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,677.54 214.38	571.70
26 05 19 16-0296 MLF #14-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,067.74 259.57	692.14
26 05 19 16-0297 MLF #12-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1,862.67 231.34	650.01
26 05 19 16-0298 MLF #12-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,300.24 270.79	722.09

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0299 MLF #10-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,335.53 270.93	722.46
26 05 19 16-0300 MLF #10-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2,874.48 316.03	842.76
26 05 19 16-0301 MLF #8-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,000.32 308.08	865.18
26 05 19 16-0302 MLF #8-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,911.32 372.41	1,045.74
26 05 19 16-0303 MLF #6-2 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3,622.53 349.83	985.55
26 05 19 16-0304 MLF #6-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4,686.43 423.18	1,188.69
26 05 19 16-0305 MLF #4-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6,128.11 465.50	1,309.06
26 05 19 16-0306 MLF #2-3 With Ground Cable, Type NM, 600 Volt Copper, Non-Metallic Sheathed Cable..... <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	8,612.17 507.82	1,421.90
26 05 19 16-0307 Direct Burial Cable <small>(26 05 19 16-0293)</small> Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0308 MLF #14-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	1,767.16	
26 05 19 16-0309 MLF #14-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,241.36	
26 05 19 16-0310 MLF #12-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,236.80	
26 05 19 16-0311 MLF #12-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,627.00	
26 05 19 16-0312 MLF #10-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	2,486.59	
26 05 19 16-0313 MLF #10-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,127.55	
26 05 19 16-0314 MLF #8-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	3,333.04	
26 05 19 16-0315 MLF #8-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,213.15	
26 05 19 16-0316 MLF #6-2 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	4,291.17	
26 05 19 16-0317 MLF #6-3 With Ground Cable, Type UF 600 Volt Copper, Direct Burial Non-Metallic Cable - Excludes Trenching.....	5,110.50	
26 05 19 16-0318 SEU Cable Copper, 3 Conductor <small>(26 05 19 16-0293)</small>		
26 05 19 16-0319 MLF 12-12-12 Cable SEU Copper.....	2,145.80	724.42
26 05 19 16-0320 MLF 10-10-10 Cable SEU Copper.....	2,655.81	822.92
26 05 19 16-0321 MLF 8-8-8 Cable SEU Copper.....	3,260.45	921.51
26 05 19 16-0322 MLF 6-6-8 Cable SEU Copper.....	3,883.87	987.92
26 05 19 16-0323 MLF 6-6-6 Cable SEU Copper.....	4,160.07	1,021.00
26 05 19 16-0324 MLF 4-4-6 Cable SEU Copper.....	5,017.82	1,119.58
26 05 19 16-0325 MLF 4-4-4 Cable SEU Copper.....	5,383.79	1,152.59
26 05 19 16-0326 MLF 3-3-5 Cable SEU Copper.....	6,229.71	1,250.68
26 05 19 16-0327 MLF 3-3-3 Cable SEU Copper.....	6,612.05	1,316.68
26 05 19 16-0328 MLF 2-2-4 Cable SEU Copper.....	7,053.49	1,383.09
26 05 19 16-0329 MLF 2-2-2 Cable SEU Copper.....	7,528.54	1,448.84
26 05 19 16-0330 MLF 1-1-1 Cable SEU Copper.....	9,161.56	1,645.84
26 05 19 16-0331 MLF 1/0-1/0-1/0 Cable SEU Copper.....	10,855.21	1,845.16
26 05 19 16-0332 MLF 2/0-2/0-2/0 Cable SEU Copper.....	13,011.44	2,078.12
26 05 19 16-0333 MLF 3/0-3/0-3/0 Cable SEU Copper.....	15,575.26	2,311.59
26 05 19 16-0334 MLF 4/0-4/0-4/0 Cable SEU Copper.....	17,404.69	2,579.69
26 05 19 16-0335 SER Cable Copper, 4 Conductor <small>(26 05 19 16-0293)</small>		
26 05 19 16-0336 MLF 6-6-6-6 Cable SER Copper.....	5,750.86	1,185.75
26 05 19 16-0337 MLF 4-4-4-6 Cable SER Copper.....	7,225.55	1,283.84
26 05 19 16-0338 MLF 3-3-3-5 Cable SER Copper.....	8,438.25	1,448.84
26 05 19 16-0339 MLF 2-2-2-4 Cable SER Copper.....	9,763.53	1,579.52
26 05 19 16-0340 MLF 1-1-1-3 Cable SER Copper.....	11,802.67	1,808.62
26 05 19 16-0341 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	14,837.21	2,072.86
26 05 19 16-0342 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	17,535.41	2,236.21
26 05 19 16-0343 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	20,999.40	2,501.27
26 05 19 16-0344 Control Tray Cable, Low Voltage <small>(26 05 19 16-0011)</small> Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0345 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	784.18	364.95
26 05 19 16-0346 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	906.61	408.25
26 05 19 16-0347 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	952.68	408.22
26 05 19 16-0348 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,192.66	512.03
26 05 19 16-0349 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,504.87	623.94
26 05 19 16-0350 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,721.59	686.13
26 05 19 16-0351 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,053.33	779.61
26 05 19 16-0352 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,601.86	952.91
26 05 19 16-0353 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,980.87	1,039.57
26 05 19 16-0354 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,554.45	1,072.07
26 05 19 16-0355 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,355.89	1,339.30
26 05 19 16-0356 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,230.89	1,565.22
26 05 19 16-0357 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable..... <i>For Installation On Exposed Surface, Deduct</i>	860.15 -128.05	384.44
26 05 19 16-0358 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	998.95	429.73
26 05 19 16-0359 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,164.89	494.73
26 05 19 16-0360 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,322.40	538.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0361 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,675.84	656.78
26 05 19 16-0362 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,926.30	722.24
26 05 19 16-0363 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,310.22	820.64
26 05 19 16-0364 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,938.79	1,003.01
26 05 19 16-0365 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,383.98	1,094.19
26 05 19 16-0366 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,090.42	1,128.49
<i>For Installation On Exposed Surface, Deduct</i>	-376.17	
26 05 19 16-0367 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,004.18	1,409.72
26 05 19 16-0368 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	6,023.75	1,647.60
26 05 19 16-0369 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	935.86	401.29
26 05 19 16-0370 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,124.09	451.40
<i>For Installation On Exposed Surface, Deduct</i>	-150.47	
26 05 19 16-0371 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,320.69	515.95
<i>For Installation On Exposed Surface, Deduct</i>	-171.98	
26 05 19 16-0372 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,491.61	555.67
<i>For Installation On Exposed Surface, Deduct</i>	-185.22	
26 05 19 16-0373 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,999.21	681.16
<i>For Installation On Exposed Surface, Deduct</i>	-227.05	
26 05 19 16-0374 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,311.81	752.33
<i>For Installation On Exposed Surface, Deduct</i>	-250.83	
26 05 19 16-0375 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,854.94	839.60
<i>For Installation On Exposed Surface, Deduct</i>	-279.87	
26 05 19 16-0376 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,410.03	1,002.86
26 05 19 16-0377 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,879.24	1,165.36
26 05 19 16-0378 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,140.62	1,362.47
<i>For Installation On Exposed Surface, Deduct</i>	-454.26	
26 05 19 16-0379 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,988.66	1,522.57
26 05 19 16-0380 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable.....	7,226.75	1,779.41
<i>For Installation On Exposed Surface, Deduct</i>	-593.14	
26 05 19 16-0381 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,098.44	429.73
26 05 19 16-0382 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,321.04	475.47
<i>For Installation On Exposed Surface, Deduct</i>	-158.44	
26 05 19 16-0383 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,613.44	547.10
26 05 19 16-0384 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,834.44	582.31
26 05 19 16-0385 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable.....	2,434.66	694.25
26 05 19 16-0386 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable.....	3,011.84	820.64
26 05 19 16-0387 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable.....	3,679.32	925.82
26 05 19 16-0388 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable.....	4,388.23	1,062.14
26 05 19 16-0389 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable.....	5,200.42	1,203.88
26 05 19 16-0390 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable.....	6,690.89	1,407.01
26 05 19 16-0391 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable.....	7,744.76	1,644.45
26 05 19 16-0392 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable.....	9,381.95	1,922.05
26 05 19 16-0393 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable.....	1,323.05	451.40
26 05 19 16-0394 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable.....	1,667.55	495.03
<i>For Installation On Exposed Surface, Deduct</i>	-164.91	
26 05 19 16-0395 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable.....	2,039.97	564.25
26 05 19 16-0396 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable.....	2,381.52	612.09
26 05 19 16-0397 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable.....	3,238.72	768.28
26 05 19 16-0398 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable.....	3,852.22	859.92
26 05 19 16-0399 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable.....	4,488.65	1,003.01
26 05 19 16-0400 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable.....	5,315.07	1,147.00
26 05 19 16-0401 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable.....	6,318.86	1,300.02
26 05 19 16-0402 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable.....	8,181.98	1,519.40
26 05 19 16-0403 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable.....	9,464.89	1,775.80
26 05 19 16-0404 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable.....	11,492.05	2,075.98
26 05 19 16-0405 ACSR (Aluminum Conductor Steel Reinforced) (26 05 19 16-0011)		
Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0406 ACSR Cable (26 05 19 16-0405)		
26 05 19 16-0407 MLF #4 AWG ACSR Cable Swan 6/1 Installed On Poles, Aluminum Cable.....	1,082.32	378.16
26 05 19 16-0408 MLF #4 AWG ACSR Cable Swanate 7/1 Installed On Poles, Aluminum Cable.....	1,137.71	392.66
26 05 19 16-0409 MLF #2 AWG ACSR Cable Sparrow 6/1 Installed On Poles, Aluminum Cable.....	1,206.85	407.77
26 05 19 16-0410 MLF #2 AWG ACSR Cable Sparate 7/1 Installed On Poles, Aluminum Cable.....	1,262.71	422.55
26 05 19 16-0411 MLF #1/0 AWG ACSR Cable Raven 6/1 Installed On Poles, Aluminum Cable.....	1,361.05	436.87
26 05 19 16-0412 MLF #2/0 AWG ACSR Cable Quail 6/1 Installed On Poles, Aluminum Cable.....	1,567.27	495.24
26 05 19 16-0413 MLF #3/0 AWG ACSR Cable Pigeon 6/1 Installed On Poles, Aluminum Cable.....	1,785.03	552.29
26 05 19 16-0414 MLF #4/0 AWG ACSR Cable Penguin 6/1 Installed On Poles, Aluminum Cable.....	2,019.26	610.14
26 05 19 16-0415 MLF #1 Bare Aluminum Wire.....	1,489.10	519.40
26 05 19 16-0416 MLF 336 AWG ACSR Cable Merlin 18/1 Installed On Pole, Aluminum Cable.....	2,458.96	784.10
26 05 19 16-0417 MLF 477 AWG ACSR Cable Hawk 26/1 Installed On Pole, Aluminum Cable.....	2,807.14	899.43
26 05 19 16-0418 All Aluminum Conductors (26 05 19 16-0405)		
26 05 19 16-0419 MLF 795.0 ACSR Conductor Aluminum.....	20,626.86	7,418.04
26 05 19 16-0420 Single Copper Conductor Installed On Poles (26 05 19 16-0011)		
26 05 19 16-0421 Bare Stranded Conductor (26 05 19 16-0420)		
26 05 19 16-0422 MLF #12 AWG 1/c Bare Stranded Copper Cable, Installed On Poles.....	964.52	320.40

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0423 MLF #10 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,131.72	349.24
26 05 19 16-0424 MLF #8 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,299.86	378.42
26 05 19 16-0425 MLF #6 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,595.96	407.77
26 05 19 16-0426 MLF #4 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	1,944.19	437.23
26 05 19 16-0427 MLF #2 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	2,790.90	524.42
26 05 19 16-0428 MLF #1 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,208.43	582.53
26 05 19 16-0429 MLF #1/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	3,662.92	639.58
26 05 19 16-0430 MLF #2/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	4,918.62	758.59
26 05 19 16-0431 MLF #3/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	5,971.73	872.17
26 05 19 16-0432 MLF #4/0 AWG 1/c Bare Stranded Copper Cable, Installed On Poles	6,406.35	988.47
26 05 19 16-0433 MLF 250 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,114.58	1,164.97
26 05 19 16-0434 MLF 300 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	8,298.50	1,226.30
26 05 19 16-0435 MLF 350 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	10,376.22	1,284.23
26 05 19 16-0436 MLF 400 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	11,471.88	1,336.92
26 05 19 16-0437 MLF 500 MCM 1/c Bare Stranded Copper Cable, Installed On Poles	13,384.24	1,393.97
26 05 19 16-0438 Insulated Stranded Conductor <small>(26 05 19 16-0420)</small>		
26 05 19 16-0439 MLF #12 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,044.45	320.40
26 05 19 16-0440 MLF #10 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,234.86	349.24
26 05 19 16-0441 MLF #8 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,503.47	378.42
26 05 19 16-0442 MLF #6 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	1,634.50	407.77
26 05 19 16-0443 MLF #4 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,002.99	437.23
26 05 19 16-0444 MLF #2 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	2,705.98	524.42
26 05 19 16-0445 MLF #1 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,199.96	582.53
26 05 19 16-0446 MLF #1/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	3,781.16	639.58
26 05 19 16-0447 MLF #2/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	4,555.53	758.59
26 05 19 16-0448 MLF #3/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	5,465.63	872.17
26 05 19 16-0449 MLF #4/0 AWG 1/c Insulated Stranded Copper Cable, Installed On Poles	6,445.83	988.47
26 05 19 16-0450 MLF 250 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	7,873.01	1,164.97
26 05 19 16-0451 MLF 300 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	8,937.93	1,226.30
26 05 19 16-0452 MLF 350 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	9,805.83	1,284.23
26 05 19 16-0453 MLF 400 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	10,998.95	1,336.92
26 05 19 16-0454 MLF 500 MCM 1/c Insulated Stranded Copper Cable, Installed On Poles	12,378.33	1,393.97
26 05 19 16-0455 Bare Solid Conductor <small>(26 05 19 16-0420)</small>		
26 05 19 16-0456 MLF #12 AWG 1/c Bare Solid Copper Cable, Installed On Poles	964.52	320.40
26 05 19 16-0457 MLF #8 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,299.86	378.42
26 05 19 16-0458 MLF #6 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,595.96	407.77
26 05 19 16-0459 MLF #4 AWG 1/c Bare Solid Copper Cable, Installed On Poles	1,919.89	437.23
26 05 19 16-0460 Multi-Conductor Cords, Cables And Associated Equipment <small>(26 05 19 16-0011)</small>		
26 05 19 16-0461 Multi-Conductor Cords <small>(26 05 19 16-0460)</small>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0462 Multi-Conductor Type SOOW And SJOOW Cord <small>(26 05 19 16-0461)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0463 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0462)</small>		
26 05 19 16-0464 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0463)</small>		
26 05 19 16-0465 LF 2/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.91	0.33
26 05 19 16-0466 LF 3/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.95	0.33
26 05 19 16-0467 LF 4/c #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.09	0.33
26 05 19 16-0468 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0463)</small>		
26 05 19 16-0469 LF 2/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.04	0.33
26 05 19 16-0470 LF 3/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.13	0.33
26 05 19 16-0471 LF 4/c #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.25	0.33
26 05 19 16-0472 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0463)</small>		
26 05 19 16-0473 LF 2/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.20	0.33
26 05 19 16-0474 LF 3/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.33	0.33
26 05 19 16-0475 LF 4/c #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.59	0.33
26 05 19 16-0476 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0463)</small>		
26 05 19 16-0477 LF 2/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.42	0.33
26 05 19 16-0478 LF 3/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.58	0.33
26 05 19 16-0479 LF 4/c #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.81	0.33
26 05 19 16-0480 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord <small>(26 05 19 16-0463)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				26 05 19 16-0481 LF 2/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.90	0.41
				26 05 19 16-0482 LF 3/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.01	0.41
				26 05 19 16-0483 LF 4/c #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.18	0.41
26 05 19 16-0484				600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0482)</small>		
26 05 19 16-0485				#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0484)</small>		
				26 05 19 16-0486 LF 2/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.95	0.33
				26 05 19 16-0487 LF 3/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.05	0.33
				26 05 19 16-0488 LF 4/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.17	0.33
				26 05 19 16-0489 LF 5/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.12	0.44
				26 05 19 16-0490 LF 6/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.34	0.46
				26 05 19 16-0491 LF 7/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.49	0.47
				26 05 19 16-0492 LF 8/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.75	0.48
				26 05 19 16-0493 LF 10/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.19	0.50
				26 05 19 16-0494 LF 12/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.67	0.52
				26 05 19 16-0495 LF 14/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.93	0.53
				26 05 19 16-0496 LF 16/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.01	0.54
				26 05 19 16-0497 LF 18/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.15	0.55
				26 05 19 16-0498 LF 20/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.76	0.57
				26 05 19 16-0499 LF 24/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.34	0.58
				26 05 19 16-0500 LF 30/c #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.66	0.62
26 05 19 16-0501				#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0484)</small>		
				26 05 19 16-0502 LF 2/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.12	0.33
				26 05 19 16-0503 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.21	0.33
				26 05 19 16-0504 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.37	0.33
				26 05 19 16-0505 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.23	0.44
				26 05 19 16-0506 LF 6/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.48	0.46
				26 05 19 16-0507 LF 7/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.72	0.47
				26 05 19 16-0508 LF 8/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.04	0.48
				26 05 19 16-0509 LF 9/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.16	0.49
				26 05 19 16-0510 LF 10/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.54	0.50
				26 05 19 16-0511 LF 12/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.17	0.52
				26 05 19 16-0512 LF 14/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.49	0.53
				26 05 19 16-0513 LF 16/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.10	0.54
				26 05 19 16-0514 LF 18/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.93	0.55
				26 05 19 16-0515 LF 20/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.69	0.57
				26 05 19 16-0516 LF 24/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.14	0.58
				26 05 19 16-0517 LF 26/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.99	0.59
				26 05 19 16-0518 LF 30/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.51	0.62
26 05 19 16-0519				#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0484)</small>		
				26 05 19 16-0520 LF 2/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.36	0.33
				26 05 19 16-0521 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.45	0.33
				26 05 19 16-0522 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.69	0.33
				26 05 19 16-0523 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.97	0.44
				26 05 19 16-0524 LF 6/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.60	0.46
				26 05 19 16-0525 LF 7/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.81	0.47
				26 05 19 16-0526 LF 8/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.32	0.48
				26 05 19 16-0527 LF 9/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.65	0.49
				26 05 19 16-0528 LF 10/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.22	0.50
				26 05 19 16-0529 LF 12/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.76	0.52
				26 05 19 16-0530 LF 14/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.39	0.53
				26 05 19 16-0531 LF 16/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.73	0.54
				26 05 19 16-0532 LF 20/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.70	0.57
				26 05 19 16-0533 LF 24/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.31	0.58
				26 05 19 16-0534 LF 30/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.24	0.62
26 05 19 16-0535				#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0484)</small>		
				26 05 19 16-0536 LF 2/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.59	0.33
				26 05 19 16-0537 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.77	0.33
				26 05 19 16-0538 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.95	0.33
				26 05 19 16-0539 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.44	0.44
				26 05 19 16-0540 LF 6/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.02	0.46
				26 05 19 16-0541 LF 7/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.61	0.47
				26 05 19 16-0542 LF 8/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.26	0.48
				26 05 19 16-0543 LF 9/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.71	0.49
				26 05 19 16-0544 LF 10/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.50	0.50
				26 05 19 16-0545 LF 12/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.43	0.52
				26 05 19 16-0546 LF 14/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.30	0.53
				26 05 19 16-0547 LF 16/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.17	0.54
				26 05 19 16-0548 LF 18/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.58	0.55
				26 05 19 16-0549 LF 20/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.08	0.57
				26 05 19 16-0550 LF 24/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.62	0.58

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0551 LF 26/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.18	0.59
26 05 19 16-0552 LF 28/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	14.67	0.60
26 05 19 16-0553 LF 30/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	15.21	0.62
26 05 19 16-0554 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0484)		
26 05 19 16-0555 LF 2/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.86	0.41
26 05 19 16-0556 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.01	0.41
26 05 19 16-0557 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	2.17	0.41
26 05 19 16-0558 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.94	0.44
26 05 19 16-0559 LF 6/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.98	0.46
26 05 19 16-0560 LF 7/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.89	0.47
26 05 19 16-0561 LF 10/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.64	0.50
26 05 19 16-0562 LF 12/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.79	0.52
26 05 19 16-0563 LF 16/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.27	0.54
26 05 19 16-0564 LF 20/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	16.53	0.57
26 05 19 16-0565 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0484)		
26 05 19 16-0566 LF 3/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.86	0.49
26 05 19 16-0567 LF 4/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.21	0.57
26 05 19 16-0568 LF 5/c #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.85	0.57
26 05 19 16-0569 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0484)		
26 05 19 16-0570 LF 3/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.64	0.57
26 05 19 16-0571 LF 4/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.83	0.66
26 05 19 16-0572 LF 5/c #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.19	0.82
26 05 19 16-0573 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0484)		
26 05 19 16-0574 LF 3/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.08	0.82
26 05 19 16-0575 LF 4/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.99	0.90
26 05 19 16-0576 LF 5/c #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	12.10	0.99
26 05 19 16-0577 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0484)		
26 05 19 16-0578 LF 3/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	13.38	1.64
26 05 19 16-0579 LF 4/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	17.06	2.05
26 05 19 16-0580 LF 5/c #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	20.47	2.72
26 05 19 16-0581 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (26 05 19 16-0482)		
26 05 19 16-0582 #18, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0581)		
26 05 19 16-0583 LF 2/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.25	0.33
26 05 19 16-0584 LF 3/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.40	0.33
26 05 19 16-0585 LF 4/c #18, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.70	0.33
26 05 19 16-0586 #16, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0581)		
26 05 19 16-0587 LF 2/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.34	0.33
26 05 19 16-0588 LF 3/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.58	0.33
26 05 19 16-0589 LF 4/c #16, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.69	0.33
26 05 19 16-0590 #14, 300 Volt, Multi-Conductor Type SJOOW Cord (26 05 19 16-0581)		
26 05 19 16-0591 LF 2/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.94	0.33
26 05 19 16-0592 LF 3/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.90	0.33
26 05 19 16-0593 LF 4/c #14, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.76	0.41
26 05 19 16-0594 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0462)		
26 05 19 16-0595 #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0594)		
26 05 19 16-0596 LF 2/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.86	0.33
26 05 19 16-0597 LF 3/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.27	0.33
26 05 19 16-0598 LF 4/c #18, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.69	0.33
26 05 19 16-0599 #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0594)		
26 05 19 16-0600 LF 2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.00	0.33
26 05 19 16-0601 LF 3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.42	0.33
26 05 19 16-0602 LF 4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.07	0.33
26 05 19 16-0603 LF 5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.33	0.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0604 #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0594)</small>		
26 05 19 16-0605 LF 3/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.52	0.33
26 05 19 16-0606 LF 4/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.05	0.33
26 05 19 16-0607 LF 5/c #14, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.42	0.41
26 05 19 16-0608 #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0594)</small>		
26 05 19 16-0609 LF 3/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.02	0.33
26 05 19 16-0610 LF 4/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.49	0.33
26 05 19 16-0611 LF 5/c #12, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.91	0.41
26 05 19 16-0612 #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord <small>(26 05 19 16-0594)</small>		
26 05 19 16-0613 LF 3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.48	0.41
26 05 19 16-0614 LF 4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.90	0.41
26 05 19 16-0615 LF 5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.30	0.41
26 05 19 16-0616 Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0461)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0617 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0616)</small>		
26 05 19 16-0618 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0617)</small>		
26 05 19 16-0619 LF 3/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.36	0.33
26 05 19 16-0620 LF 4/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.52	0.33
26 05 19 16-0621 LF 5/c #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.41	0.41
26 05 19 16-0622 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0617)</small>		
26 05 19 16-0623 LF 3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.85	0.33
26 05 19 16-0624 LF 4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.16	0.33
26 05 19 16-0625 LF 5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.18	0.41
26 05 19 16-0626 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0617)</small>		
26 05 19 16-0627 LF 3/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.36	0.33
26 05 19 16-0628 LF 4/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.75	0.33
26 05 19 16-0629 LF 5/c #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.51	0.41
26 05 19 16-0630 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord <small>(26 05 19 16-0617)</small>		
26 05 19 16-0631 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.03	0.41
26 05 19 16-0632 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.51	0.41
26 05 19 16-0633 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.76	0.41
26 05 19 16-0634 Multi-Conductor Type W Cord <small>(26 05 19 16-0461)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0635 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0634)</small>		
26 05 19 16-0636 #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0635)</small>		
26 05 19 16-0637 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.26	0.49
26 05 19 16-0638 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.58	0.57
26 05 19 16-0639 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.46	0.57
26 05 19 16-0640 #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0635)</small>		
26 05 19 16-0641 LF 3/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.56	0.57
26 05 19 16-0642 LF 4/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.45	0.66
26 05 19 16-0643 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.79	0.82
26 05 19 16-0644 #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord <small>(26 05 19 16-0635)</small>		
26 05 19 16-0645 LF 3/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.33	0.57
26 05 19 16-0646 LF 4/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.49	0.66
26 05 19 16-0647 LF 5/c #4, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.66	0.82
26 05 19 16-0648 Cord Grips, Cable Reels, Extension Cords, And Accessories <small>(26 05 19 16-0460)</small>		
26 05 19 16-0649 Cord Grips <small>(26 05 19 16-0648)</small>		
26 05 19 16-0650 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.70 14.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 19 Low-Voltage Electrical Power Conductors And Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0651 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	51.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.96	
26 05 19 16-0652 Cable Reels <small>(26 05 19 16-0648)</small>		
Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0460 for cords.		
26 05 19 16-0653 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	509.35	41.14
26 05 19 16-0654 EA 50', 10-4, SEOWW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,426.90	41.14
26 05 19 16-0655 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,064.20	41.14
26 05 19 16-0656 Extension Cords <small>(26 05 19 16-0648)</small>		
26 05 19 16-0657 EA Extension Cord, 120 Volt 12/3, 100 Ft.....	86.27	
26 05 19 16-0658 EA Extension Cord, 240 Volt 10/3, 100 Ft.....	129.84	
26 05 19 16-0659 Plugs And Connector Bodies <small>(26 05 19 16-0648)</small>		
Note: Up to 277 volts.		
26 05 19 16-0660 NEMA Twist-Lock Plugs <small>(26 05 19 16-0659)</small>		
26 05 19 16-0661 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug.....	58.37	
26 05 19 16-0662 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug.....	59.69	
26 05 19 16-0663 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Plug.....	54.11	
26 05 19 16-0664 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug.....	58.20	
26 05 19 16-0665 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug.....	77.36	
26 05 19 16-0666 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug.....	82.55	
26 05 19 16-0667 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug.....	87.63	
26 05 19 16-0668 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Plug.....	78.13	
26 05 19 16-0669 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Plug.....	90.61	
26 05 19 16-0670 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Plug.....	93.04	
26 05 19 16-0671 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Plug.....	96.13	
26 05 19 16-0672 NEMA Twist-Lock Connector Bodies <small>(26 05 19 16-0659)</small>		
26 05 19 16-0673 EA 15 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body.....	62.12	
26 05 19 16-0674 EA 15 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body.....	66.81	
26 05 19 16-0675 EA 20 Amp, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body.....	56.93	
26 05 19 16-0676 EA 20 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body.....	78.13	
26 05 19 16-0677 EA 20 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	91.82	
26 05 19 16-0678 EA 20 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	98.45	
26 05 19 16-0679 EA 20 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body.....	120.75	
26 05 19 16-0680 EA 30 Amp, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body.....	115.12	
26 05 19 16-0681 EA 30 Amp, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	143.06	
26 05 19 16-0682 EA 30 Amp, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body.....	150.46	
26 05 19 16-0683 EA 30 Amp, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body.....	142.40	
26 05 19 16-0684 Accessories <small>(26 05 19 16-0648)</small>		
26 05 19 16-0685 EA 1/2" Straight Steel Cord Connector.....	35.52	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 19 16-0686 EA 1/2" Straight Nylon Cord Connector.....	21.88	6.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 19 16-0687 EA 1/2" 90 Degree Steel Cord Connector.....	41.07	10.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 19 16-0688 EA 1/2" 90 Degree Nylon Cord Connector.....	26.70	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 19 16-0689 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	40.60	10.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 19 16-0690 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	67.72	12.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 19 16-0691 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	26.34	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 19 16-0692 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	42.81	10.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 19 16-0693 EA 3/4" Straight Steel Cord Connector.....	36.86	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 19 16-0694 EA 3/4" Straight Nylon Cord Connector.....	22.55	6.17
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 19 16-0695 EA 3/4" 90 Degree Steel Cord Connector.....	45.25	10.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 19 16-0696 EA 3/4" 90 Degree Nylon Cord Connector.....	28.80	8.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 19 16-0697 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh.....	46.12	12.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 19 16-0698 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	54.72	14.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.64	
26 05 19 16-0699 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	31.87	10.28
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 19 16-0700 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	38.45	12.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0701 EA 1" Straight Steel Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.47 4.94	8.23
26 05 19 16-0702 EA 1" Straight Nylon Cord Connector..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.86 3.71	6.17
26 05 19 16-0703 EA 1" 90 Degree Steel Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.94 6.17	10.28
26 05 19 16-0704 EA 1" 90 Degree Nylon Cord Connector <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.64 4.94	8.23
26 05 19 16-0705 EA 1" Straight Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.16 7.41	12.35
26 05 19 16-0706 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.68 8.64	14.40
26 05 19 16-0707 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.46 6.17	10.28
26 05 19 16-0708 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.33 7.41	12.35

26 05 19 23 Manufactured Wiring Assemblies (26 05 19)

26 05 19 23-0001 Festoon Cable Systems Complete System (26 05 19 23)

26 05 19 23-0002 Components (26 05 19 23-0001)

26 05 19 23-0003 LF 20' C Channel Type Track, Galvanized Steel Festoon Cable System Components.....	11.16	4.94
26 05 19 23-0004 EA Channel Track Hanger, Plated Steel Festoon Cable System Components.....	44.32	18.10
26 05 19 23-0005 EA Channel Track Joint Clamp Assembly Festoon Cable System Components.....	36.44	18.10
26 05 19 23-0006 EA End Stop For Channel Track Festoon Cable System Components.....	9.29	4.12
26 05 19 23-0007 EA End Clamp And Cable Saddle Assembly With Steel Saddle, Festoon Cable System.....	46.43	20.58
26 05 19 23-0008 EA Cable Supplying Trolley, Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable.....	42.10	1.64
26 05 19 23-0009 EA Towing Trolley Assembly With Steel Saddle With Stainless Steel Ball Bearing Wheel, Festoon Cable.....	48.22	1.64
26 05 19 23-0010 EA J-Box With 2 Terminal Blocks And Bracket Festoon Cable System Components.....	276.29	102.86
26 05 19 23-0011 EA Watertight Connector For Flat Cable Festoon Cable System Components.....	25.30	8.24

26 05 19 23-0012 Cable (26 05 19 23-0001)

26 05 19 23-0013 LF 12/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.71	1.64
26 05 19 23-0014 LF 12/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	6.17	1.64
26 05 19 23-0015 LF 8/c #16 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.25	1.64
26 05 19 23-0016 LF 8/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.28	1.64
26 05 19 23-0017 LF 7/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	5.77	1.64
26 05 19 23-0018 LF 4/c #14 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.37	1.64
26 05 19 23-0019 LF 4/c #12 Flat Festoon Cable Polyvinyl Chloride (PVC) Jacketed, 600 Volt.....	4.61	1.64

26 05 19 23-0020 Complete Systems (26 05 19 23-0001)

26 05 19 23-0021 EA Festoon System, 80' Long, Complete With 7/c #12 And 4/c #14, Wet Environment..... <i>Note: Includes 10 each cable trolleys with steel saddle, stainless steel wheels, 1 each J-box with terminal strips and brackets, 80 LF C type track, 20' sections, 9 each hangars, 3 each joints, 2 each end stop, 1 each end clamp with steel saddle, 1 each towing trolley with steel saddle, 2 each watertight connectors for 4/c #14, 2 each watertight connectors for 7/c #12, 80 LF each type cable as listed.</i>	4,623.45	1,645.84
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26 05 23 Control-Voltage Electrical Power Cables (26 05)

26 05 23 00-0001 Cable For Sound System (26 05 23)

26 05 23 00-0002 Shielded Conductors (26 05 23 00-0001)

Note: One pair, stranded or solid, copper, PVC jacketed, sizes as indicated on tasks.

26 05 23 00-0003 MLF 1 Pair #20 AWG Sound System, Placed In Conduit, Shielded.....	701.90	300.93
26 05 23 00-0004 MLF 1 Pair #14 AWG Sound System, Placed In Conduit, Shielded.....	1,099.41	300.93
26 05 23 00-0005 MLF 3 Conductor, #16 AWG Sound System, Placed In Conduit, Shielded.....	922.10	178.38
26 05 23 00-0006 MLF 6 Conductor, #18 AWG Sound System, Placed In Conduit, Shielded.....	970.00	182.36

26 05 23 00-0007 Cable For HVAC System Controls (26 05 23)

26 05 23 00-0008 Low Voltage Thermostat Cable To 300 Volts (26 05 23 00-0007)

Note: For surface or conduit installation.

26 05 23 00-0009 MLF #20/2 Conductor, Low Volt Thermostat Cable.....	334.32	95.92
26 05 23 00-0010 MLF #20/3 Conductor, Low Volt Thermostat Cable.....	383.67	101.04
26 05 23 00-0011 MLF #20/4 Conductor, Low Volt Thermostat Cable.....	416.48	106.83
26 05 23 00-0012 MLF #20/5 Conductor, Low Volt Thermostat Cable.....	503.28	111.35
26 05 23 00-0013 MLF #20/6 Conductor, Low Volt Thermostat Cable.....	528.02	116.61
26 05 23 00-0014 MLF #20/7 Conductor, Low Volt Thermostat Cable.....	582.33	121.46
26 05 23 00-0015 MLF #20/8 Conductor, Low Volt Thermostat Cable.....	629.27	126.32
26 05 23 00-0016 MLF #20/9 Conductor, Low Volt Thermostat Cable.....	684.58	131.36
26 05 23 00-0017 MLF #20/10 Conductor, Low Volt Thermostat Cable.....	737.96	135.30
26 05 23 00-0018 MLF #18/2 Conductor, Low Volt Thermostat Cable.....	365.05	95.92
26 05 23 00-0019 MLF #18/3 Conductor, Low Volt Thermostat Cable.....	438.50	101.04
26 05 23 00-0020 MLF #18/4 Conductor, Low Volt Thermostat Cable.....	503.47	106.83
26 05 23 00-0021 MLF #18/5 Conductor, Low Volt Thermostat Cable.....	539.19	111.35
26 05 23 00-0022 MLF #18/6 Conductor, Low Volt Thermostat Cable.....	600.16	116.61
26 05 23 00-0023 MLF #18/7 Conductor, Low Volt Thermostat Cable.....	615.45	121.46

26 Electrical**26 05 Common Work Results For Electrical****26 05 23 Control-Voltage Electrical Power Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 23 00-0024 MLF #18/8 Conductor, Low Volt Thermostat Cable	679.81	126.32
26 05 23 00-0025 MLF #18/9 Conductor, Low Volt Thermostat Cable	805.86	131.36
26 05 23 00-0026 MLF #18/10 Conductor, Low Volt Thermostat Cable	887.54	135.30
26 05 26 Grounding And Bonding For Electrical Systems (26 05)		
26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)		
26 05 26 00-0002 Single Conductor (26 05 26 00-0001)		
26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor	441.82	160.18
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor	589.05	160.18
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor	736.94	192.95
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor	1,024.03	192.95
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor	1,384.06	233.00
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor	2,193.32	233.00
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor	2,542.78	280.33
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor	2,984.18	280.33
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor	4,196.82	353.13
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor	5,181.59	353.13
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor	5,487.55	469.63
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor	7,063.14	469.63
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor	7,079.44	542.44
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor	9,566.45	542.44
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor	13,075.59	669.87
26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor	847.34	218.43
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor	896.68	218.43
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor	1,155.28	218.43
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor	1,305.62	378.63
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor	1,777.15	378.63
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor	2,525.63	378.63
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor	3,061.30	662.59
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor	3,743.56	662.59
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor	4,401.12	662.59
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor	5,258.46	662.59
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor	6,215.84	866.46
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor	7,536.58	866.46
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor	8,793.04	866.46
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor	10,260.93	1,347.02
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor	13,438.46	1,347.02
26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor	441.82	160.18
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor	589.05	160.18
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor	736.94	192.95
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor	1,024.03	192.95
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor	1,384.06	233.00
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor	2,193.32	233.00
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor	2,984.18	280.33
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor	5,487.55	371.34
26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor	478.84	192.95
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor	525.24	192.95
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor	597.10	233.00
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor	743.36	233.00
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor	854.38	280.33
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor	978.55	280.33
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor	1,116.65	353.13
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor	1,282.97	353.13
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor	1,527.70	469.63
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor	1,710.01	469.63
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor	2,026.73	542.44
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor	2,297.11	542.44
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor	2,705.18	669.87
26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor	478.84	192.95
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor	525.24	192.95
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor	597.10	233.00
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor	743.36	233.00
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor	825.00	371.34
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor	978.55	371.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor	1,043.86	353.13
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor	1,136.39	353.13
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor	1,527.70	469.63
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor	1,710.01	469.63
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor	2,026.73	542.44
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor	2,297.11	542.44
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor	2,705.18	669.87
26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor	1.83	0.57
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.02	0.62
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.39	0.71
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.33	0.73
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.52	0.76
26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amp, Copper Flexible Braid Jumper Strap, 12" Length	90.35	20.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	12.34	
26 05 26 00-0080 EA 225 Amp, Copper Flexible Braid Jumper Strap, 12" Length	153.93	24.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.81	
26 05 26 00-0081 EA 225 Amp, Copper Flexible Braid Jumper Strap, 18" Length	195.80	24.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.81	
26 05 26 00-0082 EA 225 Amp, Copper Flexible Braid Jumper Strap, 24" Length	237.09	24.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.81	
26 05 26 00-0083 EA 400 Amp, Copper Flexible Braid Jumper Strap, 12" Length	206.82	26.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.52	
26 05 26 00-0084 EA 400 Amp, Copper Flexible Braid Jumper Strap, 18" Length	267.04	26.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.52	
26 05 26 00-0085 EA 400 Amp, Copper Flexible Braid Jumper Strap, 24" Length	319.37	26.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	18.52	
26 05 26 00-0086 EA 600 Amp, Copper Flexible Braid Jumper Strap, 12" Length	268.08	33.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	20.37	
26 05 26 00-0087 EA 800 Amp, Copper Flexible Braid Jumper Strap, 12" Length	322.45	41.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	24.69	
26 05 26 00-0088 Bonding Jumper For Metallic Conduit (26 05 26 00-0001)		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper - Metallic Conduit.....	123.27	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	25.72	
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper - Metallic Conduit.....	151.86	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	31.65	
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper - Metallic Conduit.....	219.89	69.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.40	
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper - Metallic Conduit.....	322.29	69.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	45.72	
26 05 26 00-0093 Ground Rods (26 05 26)		
26 05 26 00-0094 Copper-Clad Ground Rods (26 05 26 00-0093)		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods	73.08	61.72
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods	76.58	61.72
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods	90.71	61.72
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods	86.22	61.72
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods	90.60	61.72
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods	108.26	61.72
26 05 26 00-0101 Copper Grounding Shaft (26 05 26 00-0093)		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	247.64	61.72
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	308.76	61.72
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	482.34	61.72
26 05 26 00-0105 Ground Access Wells (26 05 26 00-0093)		
26 05 26 00-0106 Precast Ground Access Wells (26 05 26 00-0105)		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well.....	163.63	
Note: With cast iron grate.		
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well.....	170.92	
Note: With cast iron grate.		
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well.....	456.32	
Note: With cast iron grate.		
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well.....	463.61	
Note: With cast iron grate.		
26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well (26 05 26 00-0105)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	278.61	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	325.44	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	592.32	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	266.93	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	269.09	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	568.66	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	154.76	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	165.63	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	174.68	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	122.09	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	175.05	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	299.92	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	394.10	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	244.59	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	348.87	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	365.14	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	444.70	
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	203.40	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	345.20	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron grate, heavy duty.	370.99	
26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well.....	290.74	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	317.71	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well.....	319.53	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	349.18	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well.....	349.41	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	381.95	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well.....	461.57	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	505.77	
26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	112.79	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well..... Note: With cover.	155.42	
26 05 26 00-0144 Ground Rod Clamps And Fittings (26 05 26)		
26 05 26 00-0145 Ground Rod Clamps (26 05 26 00-0144)		
26 05 26 00-0146 EA 1/2" Ground Rod Clamp.....	17.31	9.30
26 05 26 00-0147 EA 5/8" Ground Rod Clamp.....	18.19	9.30
26 05 26 00-0148 EA 3/4" Ground Rod Clamp.....	19.44	9.30
26 05 26 00-0149 Bronze Pipe Clamps (26 05 26 00-0144)		
26 05 26 00-0150 EA 1/2" To 1" Bronze Pipe Ground Clamps.....	22.81	15.47
26 05 26 00-0151 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe.....	29.63	18.51
26 05 26 00-0152 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe.....	47.36	21.64
26 05 26 00-0153 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe.....	57.19	27.81
26 05 26 00-0154 EA 4" To 6" Bronze Ground Clamps For Pipe.....	88.85	40.16
26 05 26 00-0155 Grounding Fittings (26 05 26 00-0144)		
26 05 26 00-0156 Embedded Fittings (26 05 26 00-0155)		
26 05 26 00-0157 EA Ground Insert With 2 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	116.62	
26 05 26 00-0158 EA Ground Insert With 4 - 3/8 x 16 Holes #2-250 MCM Cable Range, Embedded.....	124.62	
26 05 26 00-0159 EA Ground Insert With 4 - 3/8 x 16 Holes 250-500 MCM Cable Range, Embedded.....	138.80	
26 05 26 00-0160 EA Grounding Wire Splice, Copper To Aluminum, #8 - 1 AWG.....	109.81	
26 05 26 00-0161 EA Grounding Wire Splice, Copper To Aluminum, 1/0 - 3/0 AWG.....	131.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0162 EA Grounding Wire Splice, Copper To Aluminum, 4/0 - 300 MCM.....	154.43	
26 05 26 00-0163 EA Grounding Wire Splice, Copper To Aluminum, 350 MCM And Up.....	174.36	
26 05 26 00-0164 Ground Rod Receptacle (26 05 26 00-0155)		
26 05 26 00-0165 EA 1/2" Ground Rod Receptacle.....	252.63	85.58
26 05 26 00-0166 EA 5/8" Ground Rod Receptacle.....	264.54	88.00
26 05 26 00-0167 EA 3/4" Ground Rod Receptacle.....	276.72	90.39
26 05 26 00-0168 Ground Kits For Circuit Breaker Panels (26 05 26 00-0155)		
26 05 26 00-0169 EA 14-8 AWG Copper Ground Kit.....	56.20	20.58
26 05 26 00-0170 EA 12-8 AWG Aluminum Ground Kit.....	47.77	20.58
26 05 26 00-0171 EA 14-4 AWG Copper Ground Kit.....	62.92	20.58
26 05 26 00-0172 EA 12-4 AWG Aluminum Ground Kit.....	52.41	20.58
26 05 26 00-0173 Insulated Grounding Bars (26 05 26 00-0144)		
26 05 26 00-0174 EA Insulated Ground Bar 1/2" x 4" x 10".....	241.72	20.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.03	
26 05 26 00-0175 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20".....	254.70	20.66
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.03	
26 05 26 00-0176 Ground Conductor Bonding (26 05 26)		
26 05 26 00-0177 Ground Conductor Bonding (26 05 26 00-0176)		
26 05 26 00-0178 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld (26 05 26 00-0177)		
26 05 26 00-0179 EA Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	100.16	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0180 EA #4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	108.38	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0181 EA 1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	116.61	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0182 EA 250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel.....	165.98	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0183 Tee, Wye Or Cross Cadweld (26 05 26 00-0177)		
26 05 26 00-0184 EA Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross.....	112.49	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0185 EA #4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross.....	128.95	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0186 EA 1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross.....	157.76	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0187 EA 250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross.....	190.67	
Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0188 Grounding Equipment (26 05 26)		
26 05 26 00-0189 Special Grounding Equipment (26 05 26 00-0188)		
26 05 26 00-0190 Ground Reels And Ground Bus (26 05 26 00-0189)		
26 05 26 00-0191 EA Ground Reel With 50' Of Galvanized Steel Cable.....	586.96	
26 05 26 00-0192 Copper Bars (26 05 26 00-0189)		
26 05 26 00-0193 LF 1/4" x 2" Copper Bar.....	33.55	
26 05 26 00-0194 Phenolic Insulators (26 05 26 00-0189)		
26 05 26 00-0195 EA 2" x 2" x 1" Long Phenolic Insulators.....	22.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 26 00-0196 Grounding Studs (26 05 26 00-0189)		
26 05 26 00-0197 EA Ball Grounding Stud.....	32.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.37	
26 05 26 00-0198 Equipment Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0199 EA Switch Rating 30 Ground Bar Kit.....	25.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 26 00-0200 EA Switch Rating 60 Ground Bar Kit.....	32.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 05 26 00-0201 EA Switch Rating 100 Ground Bar Kit.....	38.52	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 26 00-0202 EA Switch Rating 200 Ground Bar Kit.....	68.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	

26 Electrical**26 05 Common Work Results For Electrical****26 05 26 Grounding And Bonding For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0203 Panelboard Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0204 EA Panelboard Ground Bar Kit.....	101.22	6.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 26 00-0205 Circuit Breaker Ground Bar Kits (26 05 26 00-0189)		
26 05 26 00-0206 EA 3 Circuit, Ground Bar Kit.....	21.39	3.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 26 00-0207 EA 4 Circuit, Ground Bar Kit.....	20.97	3.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 26 00-0208 EA 7 Circuit, Ground Bar Kit.....	21.67	3.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 26 00-0209 EA 12 Circuit, Ground Bar Kit.....	24.56	4.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.20	
26 05 26 00-0210 EA 20 Circuit, Ground Bar Kit.....	28.01	4.69
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.69	
26 05 26 00-0211 EA 24 Circuit, Ground Bar Kit.....	30.91	5.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.18	
26 05 26 00-0212 EA 30 Circuit, Ground Bar Kit.....	34.49	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.93	
26 05 26 00-0213 EA 54 Circuit, Ground Bar Kit.....	39.86	6.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
26 05 26 00-0214 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	44.95	5.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.18	
26 05 26 00-0215 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	49.64	5.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.93	
26 05 26 00-0216 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug.....	55.16	6.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.91	
26 05 29 Hangers And Supports For Electrical Systems (26 05)		
26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29)		
26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001)		
26 05 29 00-0003 14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	14.61	4.51
26 05 29 00-0005 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	16.40	4.51
26 05 29 00-0006 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....	7.47	1.69
26 05 29 00-0007 12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0008 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	15.60	4.51
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	15.26	4.51
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	15.04	4.51
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	18.38	4.51
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	17.71	4.51
26 05 29 00-0013 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	17.28	4.51
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	8.46	1.69
26 05 29 00-0015 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	8.12	1.69
26 05 29 00-0016 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	7.90	1.69
26 05 29 00-0017 Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0018 Unistrut Channel Closure Strips And Caps (26 05 29 00-0017)		
26 05 29 00-0019 LF Raceway Closure Strip For Unistrut Channel.....	4.21	0.41
26 05 29 00-0020 EA End Cap For Unistrut Channel.....	9.57	4.13
26 05 29 00-0021 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0022 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting.....	4.25	
26 05 29 00-0023 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting.....	4.22	
26 05 29 00-0024 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Unistrut Channel Fitting.....	5.10	
26 05 29 00-0025 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0026 EA 2-Hole, 1-7/8" x 2", 90 Degree Angle, Unistrut Channel Fitting.....	4.12	
26 05 29 00-0027 EA 2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Unistrut Channel Fitting.....	3.48	
26 05 29 00-0028 EA 3-Hole, 1-7/16" x 4-1/8", 90 Degree Angle, Unistrut Channel Fitting.....	5.87	
26 05 29 00-0029 EA 3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Unistrut Channel Fitting.....	5.79	
26 05 29 00-0030 60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0031 EA 2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Unistrut Channel Fitting.....	8.31	
26 05 29 00-0032 U-Connector, Unistrut Channel Fittings (26 05 29 00-0017)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0033 EA 3-Hole, 1-5/8" x 13/16", U-Connector, Unistrut Channel Fitting	4.76	
26 05 29 00-0034 EA 5-Hole, 1-5/8" x 1-5/8", U-Connector, Unistrut Channel Fitting	5.46	
26 05 29 00-0035 Z-Bracket, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0036 EA 3-Hole, Z-Bracket, Unistrut Channel Fitting	8.53	
26 05 29 00-0037 Unistrut Channel Pipe Clamps (26 05 29 00-0017)		
Note: Includes hex screw and nut.		
26 05 29 00-0038 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.41	1.23
26 05 29 00-0039 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.43	1.23
26 05 29 00-0040 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.50	1.23
26 05 29 00-0041 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.42	1.65
26 05 29 00-0042 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.81	1.65
26 05 29 00-0043 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.85	1.65
26 05 29 00-0044 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.96	2.06
26 05 29 00-0045 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.30	2.06
26 05 29 00-0046 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.63	2.06
26 05 29 00-0047 EA 4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.74	2.06
26 05 29 00-0048 Beam Clamps (26 05 29 00-0017)		
26 05 29 00-0049 EA Set Screw Beam Clamp, Unistrut Channel Fitting	24.94	7.52
26 05 29 00-0050 EA "C" Beam Clamp Use With 1/2" Rod Metal Framing Channel Fittings	19.77	7.52
26 05 29 00-0051 EA "U" Bolt Beam Clamp, Unistrut Channel Fitting	24.17	7.52
26 05 29 00-0052 Square Washers For Unistrut Channel (26 05 29 00-0017)		
26 05 29 00-0053 EA 1/2" Bolt Size, Square Washer For Unistrut Channel	3.01	
26 05 29 00-0054 Strut Braces, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0055 EA 16" Diagonal Bar Brace For Unistrut Channel	23.10	
26 05 29 00-0056 Trolley Hangers, Unistrut Channel Fittings (26 05 29 00-0017)		
26 05 29 00-0057 EA Trolley Track Hanger For Unistrut Channel	28.76	
26 05 29 00-0058 Lock Nuts With Spring For Unistrut Channel (26 05 29 00-0017)		
Note: Includes hex bolt.		
26 05 29 00-0059 EA 1/4-20 Lock Nut With Spring For Unistrut Channel	5.44	
26 05 29 00-0060 EA 3/8-16 Lock Nut With Spring For Unistrut Channel	5.90	
26 05 29 00-0061 EA 1/2-13 Lock Nut With Spring For Unistrut Channel	6.25	
26 05 29 00-0062 EA 5/8-11 Lock Nut With Spring For Unistrut Channel	8.13	
26 05 29 00-0063 Lock Nuts Without Spring For Unistrut Channel (26 05 29 00-0017)		
Note: Includes hex bolt.		
26 05 29 00-0064 EA 1/4-20 Lock Nut Without Spring For Unistrut Channel	5.45	
26 05 29 00-0065 EA 3/8-16 Lock Nut Without Spring For Unistrut Channel	5.97	
26 05 29 00-0066 EA 1/2-13 Lock Nut Without Spring For Unistrut Channel	6.28	
26 05 29 00-0067 EA 5/8-11 Lock Nut Without Spring For Unistrut Channel	8.68	
26 05 29 00-0068 Mounting Assemblies (26 05 29)		
26 05 29 00-0069 Galvanized Steel Mounting Assemblies (26 05 29 00-0068)		
26 05 29 00-0070 Galvanized Steel Back Plate (26 05 29 00-0069)		
26 05 29 00-0071 EA 1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	313.84	49.37
26 05 29 00-0072 EA 3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	78.48	16.46
26 05 29 00-0073 EA 3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	198.59	41.14
26 05 29 00-0074 Aluminum Mounting Assemblies (26 05 29 00-0068)		
26 05 29 00-0075 Aluminum Back Plate (26 05 29 00-0074)		
26 05 29 00-0076 EA 3/16" x 2' x 2' Aluminum Back Plate	180.80	61.72
26 05 29 00-0077 EA 3/16" x 4' x 4' Aluminum Back Plate	421.55	61.72
26 05 29 00-0078 Supports (26 05 29)		
26 05 29 00-0079 One Hole Steel Conduit Straps (26 05 29 00-0078)		

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0080 EA 1/2", One Hole Steel Conduit Strap .....2.94 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.14 <i>For >100 To 250, Deduct</i> -0.28 <i>For >250 To 500, Deduct</i> -0.55 <i>For >500, Deduct</i> -0.82		
26 05 29 00-0081 EA 3/4", One Hole Steel Conduit Strap .....2.98 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.14 <i>For >100 To 250, Deduct</i> -0.28 <i>For >250 To 500, Deduct</i> -0.55 <i>For >500, Deduct</i> -0.83		
26 05 29 00-0082 EA 1", One Hole Steel Conduit Strap .....3.15 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.14 <i>For >100 To 250, Deduct</i> -0.29 <i>For >250 To 500, Deduct</i> -0.57 <i>For >500, Deduct</i> -0.84		
26 05 29 00-0083 EA 1-1/4", One Hole Steel Conduit Strap .....3.28 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.15 <i>For >100 To 250, Deduct</i> -0.30 <i>For >250 To 500, Deduct</i> -0.58 <i>For >500, Deduct</i> -0.86		
26 05 29 00-0084 EA 1-1/2", One Hole Steel Conduit Strap .....3.36 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.15 <i>For >100 To 250, Deduct</i> -0.30 <i>For >250 To 500, Deduct</i> -0.58 <i>For >500, Deduct</i> -0.86		
26 05 29 00-0085 EA 2", One Hole Steel Conduit Strap .....3.88 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.16 <i>For >100 To 250, Deduct</i> -0.33 <i>For >250 To 500, Deduct</i> -0.62 <i>For >500, Deduct</i> -0.92		
26 05 29 00-0086 EA 2-1/2", One Hole Steel Conduit Strap .....4.41 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.18 <i>For >100 To 250, Deduct</i> -0.35 <i>For >250 To 500, Deduct</i> -0.66 <i>For >500, Deduct</i> -0.97		
26 05 29 00-0087 EA 3", One Hole Steel Conduit Strap .....4.59 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.18 <i>For >100 To 250, Deduct</i> -0.36 <i>For >250 To 500, Deduct</i> -0.67 <i>For >500, Deduct</i> -0.99		
26 05 29 00-0088 EA 3-1/2", One Hole Steel Conduit Strap .....5.46 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.20 <i>For >100 To 250, Deduct</i> -0.41 <i>For >250 To 500, Deduct</i> -0.74 <i>For >500, Deduct</i> -1.07		
26 05 29 00-0089 EA 4", One Hole Steel Conduit Strap .....6.15 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.22 <i>For >100 To 250, Deduct</i> -0.44 <i>For >250 To 500, Deduct</i> -0.79 <i>For >500, Deduct</i> -1.14		
26 05 29 00-0090 One Hole Iron Conduit Straps (26 05 29 00-0078)		
26 05 29 00-0091 EA 1/2", One Hole Iron Conduit Strap .....3.03 <i>For Work In Restricted Working Space, Add</i> 0.79 <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> 0.76 <i>For >50 To 100, Deduct</i> -0.14 <i>For >100 To 250, Deduct</i> -0.28 <i>For >250 To 500, Deduct</i> -0.56 <i>For >500, Deduct</i> -0.83		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0092 EA 3/4", One Hole Iron Conduit Strap .....3.11		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.56	
<i>For >500, Deduct</i>	-0.84	
26 05 29 00-0093 EA 1", One Hole Iron Conduit Strap .....3.26		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.15	
<i>For >100 To 250, Deduct</i>	-0.30	
<i>For >250 To 500, Deduct</i>	-0.57	
<i>For >500, Deduct</i>	-0.85	
26 05 29 00-0094 EA 1-1/4", One Hole Iron Conduit Strap .....3.62		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.31	
<i>For >250 To 500, Deduct</i>	-0.60	
<i>For >500, Deduct</i>	-0.89	
26 05 29 00-0095 EA 1-1/2", One Hole Iron Conduit Strap .....3.77		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.61	
<i>For >500, Deduct</i>	-0.91	
26 05 29 00-0096 EA 2", One Hole Iron Conduit Strap .....4.68		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.37	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0097 EA 2-1/2", One Hole Iron Conduit Strap .....6.66		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.83	
<i>For >500, Deduct</i>	-1.19	
26 05 29 00-0098 EA 3", One Hole Iron Conduit Strap .....8.30		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-0.95	
<i>For >500, Deduct</i>	-1.36	
26 05 29 00-0099 EA 3-1/2", One Hole Iron Conduit Strap .....10.70		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 250, Deduct</i>	-0.67	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.60	
26 05 29 00-0100 EA 4", One Hole Iron Conduit Strap .....20.32		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.57	
<i>For >100 To 250, Deduct</i>	-1.15	
<i>For >250 To 500, Deduct</i>	-1.85	
<i>For >500, Deduct</i>	-2.56	
26 05 29 00-0101 EA 5", One Hole Iron Conduit Strap .....25.49		
<i>For Work In Restricted Working Space, Add</i>	0.79	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.76	
<i>For >50 To 100, Deduct</i>	-0.70	
<i>For >100 To 250, Deduct</i>	-1.41	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-3.08	
26 05 29 00-0102 Two Hole Steel Conduit Straps (26 05 29 00-0078)		
26 05 29 00-0103 EA 1/2", Two Hole Steel Conduit Strap .....3.37		
<i>For Work In Restricted Working Space, Add</i>	0.89	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.62	
<i>For >500, Deduct</i>	-0.93	
26 05 29 00-0104 EA 3/4", Two Hole Steel Conduit Strap .....3.43		
<i>For Work In Restricted Working Space, Add</i>	0.89	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
<i>For >50 To 100, Deduct</i>	-0.16	
<i>For >100 To 250, Deduct</i>	-0.32	
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500, Deduct</i>	-0.94	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0105	EA		1", Two Hole Steel Conduit Strap .....3.46		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0106	EA		1-1/4", Two Hole Steel Conduit Strap .....3.50		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.32	
			<i>For >250 To 500, Deduct</i>	-0.63	
			<i>For >500, Deduct</i>	-0.94	
26 05 29 00-0107	EA		1-1/2", Two Hole Steel Conduit Strap .....3.53		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0108	EA		2", Two Hole Steel Conduit Strap .....3.60		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.16	
			<i>For >100 To 250, Deduct</i>	-0.33	
			<i>For >250 To 500, Deduct</i>	-0.64	
			<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0109	EA		2-1/2", Two Hole Steel Conduit Strap .....4.00		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.17	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.67	
			<i>For >500, Deduct</i>	-0.99	
26 05 29 00-0110	EA		3", Two Hole Steel Conduit Strap .....4.08		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.35	
			<i>For >250 To 500, Deduct</i>	-0.68	
			<i>For >500, Deduct</i>	-1.00	
26 05 29 00-0111	EA		3-1/2", Two Hole Steel Conduit Strap .....4.39		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.18	
			<i>For >100 To 250, Deduct</i>	-0.37	
			<i>For >250 To 500, Deduct</i>	-0.70	
			<i>For >500, Deduct</i>	-1.03	
26 05 29 00-0112	EA		4", Two Hole Steel Conduit Strap .....4.61		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.38	
			<i>For >250 To 500, Deduct</i>	-0.72	
			<i>For >500, Deduct</i>	-1.06	
26 05 29 00-0113	EA		5", Two Hole Steel Conduit Strap .....4.89		
			<i>For Work In Restricted Working Space, Add</i>	0.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.94	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0114			Clamp Back Spacers (26 05 29 00-0078) .....2.65		
26 05 29 00-0115	EA		1/2" Conduit, Clamp Back Spacer.....2.65		
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.24	
			<i>For >250 To 500, Deduct</i>	-0.46	
			<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0116	EA		3/4" Conduit, Clamp Back Spacer.....2.85		
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.12	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.47	
			<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0117	EA		1" Conduit, Clamp Back Spacer.....3.04		
			<i>For Work In Restricted Working Space, Add</i>	0.62	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.61	
			<i>For >50 To 100, Deduct</i>	-0.13	
			<i>For >100 To 250, Deduct</i>	-0.25	
			<i>For >250 To 500, Deduct</i>	-0.48	
			<i>For >500, Deduct</i>	-0.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0118 EA 1-1/4" Conduit, Clamp Back Spacer	3.78	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.79	
26 05 29 00-0119 EA 1-1/2" Conduit, Clamp Back Spacer	4.37	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.85	
26 05 29 00-0120 EA 2" Conduit, Clamp Back Spacer.....	5.00	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.91	
26 05 29 00-0121 EA 2-1/2" Conduit, Clamp Back Spacer	7.54	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.16	
26 05 29 00-0122 EA 3" Conduit, Clamp Back Spacer.....	10.58	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.05	
For >500, Deduct	-1.47	
26 05 29 00-0123 EA 3-1/2" Conduit, Clamp Back Spacer	13.53	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.27	
For >500, Deduct	-1.76	
26 05 29 00-0124 EA 4" Conduit, Clamp Back Spacer.....	27.37	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-0.74	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.31	
For >500, Deduct	-3.15	
26 05 29 00-0125 EA 5" Conduit, Clamp Back Spacer.....	50.74	
For Work In Restricted Working Space, Add	0.62	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.61	
For >50 To 100, Deduct	-1.32	
For >100 To 250, Deduct	-2.64	
For >250 To 500, Deduct	-4.06	
For >500, Deduct	-5.48	
26 05 29 00-0126 Conduit Clips <small>(26 05 29 00-0078)</small>		
Note: Push in or clip.		
26 05 29 00-0127 EA 1/2" Conduit Clip.....	3.30	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.86	
26 05 29 00-0128 EA 3/4" Conduit Clip.....	3.30	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.86	
26 05 29 00-0129 EA 1" Conduit Clip.....	3.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.85	
26 05 29 00-0130 EA 1-1/4" Conduit Clip.....	3.29	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.76	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.86	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0131 Bolt And Nut Conduit Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0132 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	4.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.92	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.72	
For >500, Deduct	-1.07	
26 05 29 00-0133 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B)	4.31	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.92	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.73	
For >500, Deduct	-1.09	
26 05 29 00-0134 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	4.60	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.16	
26 05 29 00-0135 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	4.68	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.79	
For >500, Deduct	-1.17	
26 05 29 00-0136 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B)	5.24	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.98	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.83	
For >500, Deduct	-1.22	
26 05 29 00-0137 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	5.68	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.31	
26 05 29 00-0138 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B)	6.18	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.03	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.93	
For >500, Deduct	-1.36	
26 05 29 00-0139 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B)	11.28	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.13	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.77	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-1.95	
26 05 29 00-0140 Conduit Hanger From Flange, Wire Or Rod <small>(26 05 29 00-0078)</small>		
Note: Bat wing.		
26 05 29 00-0141 EA 1/2", Conduit Hanger From Flange, Wire Or Rod	2.33	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
26 05 29 00-0142 EA 3/4", Conduit Hanger From Flange, Wire Or Rod	2.36	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
26 05 29 00-0143 EA 1", Conduit Hanger From Flange, Wire Or Rod	2.45	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.43	
For >500, Deduct	-0.64	
26 05 29 00-0144 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod	2.66	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.59	
For >50 To 100, Deduct	-0.12	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.66	
26 05 29 00-0145 Beam Flange Clamps <small>(26 05 29 00-0078)</small>		
Note: For threaded rod, nut not required.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0146 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	3.25	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.74	
26 05 29 00-0147 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	3.20	
<i>For >50 To 100, Deduct</i>	-0.13	
<i>For >100 To 250, Deduct</i>	-0.26	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.73	
26 05 29 00-0148 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	3.53	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500, Deduct</i>	-0.76	
26 05 29 00-0149 T-Bar Support Clips <small>(26 05 29 00-0078)</small>		
26 05 29 00-0150 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	5.58	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.93	
<i>For >500, Deduct</i>	-1.38	
26 05 29 00-0151 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	5.32	
<i>For >50 To 100, Deduct</i>	-0.24	
<i>For >100 To 250, Deduct</i>	-0.47	
<i>For >250 To 500, Deduct</i>	-0.91	
<i>For >500, Deduct</i>	-1.36	
26 05 29 00-0152 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	1.92	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.15	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500, Deduct</i>	-0.40	
26 05 29 00-0153 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	14.50	
<i>For >50 To 100, Deduct</i>	-0.40	
<i>For >100 To 250, Deduct</i>	-0.81	
<i>For >250 To 500, Deduct</i>	-1.29	
<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0154 Switch And Outlet Box Type Supports <small>(26 05 29 00-0078)</small>		
26 05 29 00-0155 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	3.84	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.71	
26 05 29 00-0156 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	3.30	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.25	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500, Deduct</i>	-0.66	
26 05 29 00-0157 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	3.76	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.27	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.70	
26 05 29 00-0158 EA Snap On, Switch And Outlet Box Support (Caddy MSF)	2.52	
<i>For >50 To 100, Deduct</i>	-0.10	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0159 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	2.62	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.21	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.59	
26 05 29 00-0160 Lighting Fixture Hanger <small>(26 05 29 00-0078)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0161 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	3.82	
<i>For >50 To 100, Deduct</i>	-0.18	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 500, Deduct</i>	-0.70	
<i>For >500, Deduct</i>	-1.04	
26 05 29 00-0162 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	11.85	
<i>For >50 To 100, Deduct</i>	-0.38	
<i>For >100 To 250, Deduct</i>	-0.76	
<i>For >250 To 500, Deduct</i>	-1.30	
<i>For >500, Deduct</i>	-1.84	
26 05 29 00-0163 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	16.07	
<i>For >50 To 100, Deduct</i>	-0.48	
<i>For >100 To 250, Deduct</i>	-0.97	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-2.27	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0164			Rigid Steel Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0165	EA		1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.41	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.29	
			<i>For >250 To 500, Deduct</i>	-0.56	
			<i>For >500, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0166	EA		3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.43	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0167	EA		1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	3.50	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.57	
			<i>For >500, Deduct</i>	-0.84	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0168	EA		1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.42	
			<i>For >50 To 100, Deduct</i>	-0.19	
			<i>For >100 To 250, Deduct</i>	-0.39	
			<i>For >250 To 500, Deduct</i>	-0.74	
			<i>For >500, Deduct</i>	-1.10	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0169	EA		1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.81	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.77	
			<i>For >500, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0170	EA		2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.85	
			<i>For >50 To 100, Deduct</i>	-0.20	
			<i>For >100 To 250, Deduct</i>	-0.41	
			<i>For >250 To 500, Deduct</i>	-0.78	
			<i>For >500, Deduct</i>	-1.14	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0171	EA		2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.95	
			<i>For >50 To 100, Deduct</i>	-0.25	
			<i>For >100 To 250, Deduct</i>	-0.50	
			<i>For >250 To 500, Deduct</i>	-0.96	
			<i>For >500, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 29 00-0172	EA		3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.29	
			<i>For >50 To 100, Deduct</i>	-0.26	
			<i>For >100 To 250, Deduct</i>	-0.52	
			<i>For >250 To 500, Deduct</i>	-0.99	
			<i>For >500, Deduct</i>	-1.45	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 29 00-0173	EA		3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.62	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.01	
			<i>For >500, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 29 00-0174	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.73	
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.54	
			<i>For >250 To 500, Deduct</i>	-1.02	
			<i>For >500, Deduct</i>	-1.50	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 29 00-0175			Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel <small>(26 05 29 00-0078)</small>		
26 05 29 00-0176	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.66	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0177	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.63	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.31	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.86	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 29 00-0178	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	3.59	
			<i>For >50 To 100, Deduct</i>	-0.15	
			<i>For >100 To 250, Deduct</i>	-0.30	
			<i>For >250 To 500, Deduct</i>	-0.58	
			<i>For >500, Deduct</i>	-0.85	
			<i>For Work In Restricted Working Space, Add</i>	0.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0179 EA 1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.73	
<i>For >50 To 100, Deduct</i>	-0.20	
<i>For >100 To 250, Deduct</i>	-0.40	
<i>For >250 To 500, Deduct</i>	-0.77	
<i>For >500, Deduct</i>	-1.13	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0180 EA 1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.39	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.43	
<i>For >250 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.20	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0181 EA 2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	5.43	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.82	
<i>For >500, Deduct</i>	-1.20	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 29 00-0182 "J" Type Conduit Hangers <small>(26 05 29 00-0078)</small>		
26 05 29 00-0183 EA 1/2", "J" Type Conduit Hanger (Unistrut J1205).....	14.62	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.02	
<i>For >250 To 500, Deduct</i>	-1.82	
<i>For >500, Deduct</i>	-2.61	
<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 29 00-0184 EA 3/4", "J" Type Conduit Hanger (Unistrut J1207).....	14.77	
<i>For >50 To 100, Deduct</i>	-0.51	
<i>For >100 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.83	
<i>For >500, Deduct</i>	-2.63	
<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 29 00-0185 EA 1", "J" Type Conduit Hanger (Unistrut J1210).....	15.73	
<i>For >50 To 100, Deduct</i>	-0.56	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-2.00	
<i>For >500, Deduct</i>	-2.89	
<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 29 00-0186 EA 1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	15.90	
<i>For >50 To 100, Deduct</i>	-0.56	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 500, Deduct</i>	-2.02	
<i>For >500, Deduct</i>	-2.91	
<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 29 00-0187 EA 1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	16.84	
<i>For >50 To 100, Deduct</i>	-0.61	
<i>For >100 To 250, Deduct</i>	-1.21	
<i>For >250 To 500, Deduct</i>	-2.19	
<i>For >500, Deduct</i>	-3.17	
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0188 EA 2", "J" Type Conduit Hanger (Unistrut J1220).....	17.47	
<i>For >50 To 100, Deduct</i>	-0.62	
<i>For >100 To 250, Deduct</i>	-1.24	
<i>For >250 To 500, Deduct</i>	-2.24	
<i>For >500, Deduct</i>	-3.23	
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 29 00-0189 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225).....	27.28	
<i>For >50 To 100, Deduct</i>	-0.89	
<i>For >100 To 250, Deduct</i>	-1.78	
<i>For >250 To 500, Deduct</i>	-3.07	
<i>For >500, Deduct</i>	-4.37	
<i>For Work In Restricted Working Space, Add</i>	2.47	
26 05 29 00-0190 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	29.05	
<i>For >50 To 100, Deduct</i>	-0.95	
<i>For >100 To 250, Deduct</i>	-1.91	
<i>For >250 To 500, Deduct</i>	-3.31	
<i>For >500, Deduct</i>	-4.72	
<i>For Work In Restricted Working Space, Add</i>	2.72	
26 05 29 00-0191 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235).....	31.29	
<i>For >50 To 100, Deduct</i>	-1.03	
<i>For >100 To 250, Deduct</i>	-2.06	
<i>For >250 To 500, Deduct</i>	-3.58	
<i>For >500, Deduct</i>	-5.10	
<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 29 00-0192 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	41.04	
<i>For >50 To 100, Deduct</i>	-1.27	
<i>For >100 To 250, Deduct</i>	-2.55	
<i>For >250 To 500, Deduct</i>	-4.31	
<i>For >500, Deduct</i>	-6.08	
<i>For Work In Restricted Working Space, Add</i>	2.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0193 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	45.06	
For >50 To 100, Deduct	-1.39	
For >100 To 250, Deduct	-2.79	
For >250 To 500, Deduct	-4.72	
For >500, Deduct	-6.64	
For Work In Restricted Working Space, Add	3.21	
26 05 29 00-0194 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	63.07	
For >50 To 100, Deduct	-1.89	
For >100 To 250, Deduct	-3.77	
For >250 To 500, Deduct	-6.27	
For >500, Deduct	-8.78	
For Work In Restricted Working Space, Add	3.71	
26 05 29 00-0195 Between Studs Box Brackets (26 05 29 00-0078)		
26 05 29 00-0196 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	5.34	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.03	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0197 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	6.33	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.78	
For >500, Deduct	-1.13	
For Work In Restricted Working Space, Add	0.74	
26 05 29 00-0198 Hangers And Brackets (26 05 29 00-0078)		
26 05 29 00-0199 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.02	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.53	
26 05 29 00-0200 EA Angle Bracket Only With 1/4" Hole (Caddy AB)	1.96	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.52	
26 05 29 00-0201 EA Offset Bracket Only With 1/4" Hole (Caddy AO)	1.96	
For >50 To 100, Deduct	-0.09	
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.52	
26 05 29 00-0202 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	2.56	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.58	
26 05 29 00-0203 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	2.57	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.59	
26 05 29 00-0204 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	2.50	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.58	
26 05 29 00-0205 EA Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	2.56	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.58	
26 05 29 00-0206 EA Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	2.57	
For >50 To 100, Deduct	-0.11	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.40	
For >500, Deduct	-0.59	
26 05 29 00-0207 Clips And Accessories (26 05 29 00-0078)		
26 05 29 00-0208 EA 1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.36	
For >50 To 100, Deduct	-0.06	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.34	
26 05 29 00-0209 EA 3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	1.38	
For >50 To 100, Deduct	-0.06	
For >100 To 250, Deduct	-0.12	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0210 EA 1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	1.47	
<i>For >50 To 100, Deduct</i>	-0.06	
<i>For >100 To 250, Deduct</i>	-0.13	
<i>For >250 To 500, Deduct</i>	-0.24	
<i>For >500, Deduct</i>	-0.35	
26 05 29 00-0211 EA 2" Diameter Center, Bridle Ring (Caddy 2BR32).....	1.66	
<i>For >50 To 100, Deduct</i>	-0.07	
<i>For >100 To 250, Deduct</i>	-0.13	
<i>For >250 To 500, Deduct</i>	-0.25	
<i>For >500, Deduct</i>	-0.37	
26 05 29 00-0212 Wire Ties <small>(26 05 29 00-0078)</small>		
Note: Per hundred (C).		
26 05 29 00-0213 C 3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.43	
<i>For UV Black, Add</i>	0.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0214 C 4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.54	
<i>For UV Black, Add</i>	0.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0215 C 4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.62	
<i>For UV Black, Add</i>	0.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0216 C 5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	11.65	
<i>For UV Black, Add</i>	0.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0217 C 6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	12.06	
<i>For UV Black, Add</i>	0.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0218 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	14.88	
<i>For UV Black, Add</i>	0.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0219 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.49	
<i>For UV Black, Add</i>	0.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 29 00-0220 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	14.91	
<i>For UV Black, Add</i>	0.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.69	
26 05 29 00-0221 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	15.35	
<i>For UV Black, Add</i>	0.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0222 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	23.90	
<i>For UV Black, Add</i>	2.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0223 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	25.15	
<i>For UV Black, Add</i>	2.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0224 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	16.23	
<i>For UV Black, Add</i>	1.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0225 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	15.12	
<i>For UV Black, Add</i>	0.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0226 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	24.24	
<i>For UV Black, Add</i>	2.12	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0227 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	28.12	
<i>For UV Black, Add</i>	2.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 29 00-0228 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	28.03	
<i>For UV Black, Add</i>	2.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.81	
26 05 29 00-0229 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	30.76	
<i>For UV Black, Add</i>	3.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.03	
26 05 29 00-0230 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	37.90	
<i>For UV Black, Add</i>	4.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 29 00-0231 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	55.96	
<i>For UV Black, Add</i>	6.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 29 00-0232 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	54.06	
<i>For UV Black, Add</i>	6.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.43	
26 05 29 00-0233 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	66.75	
<i>For UV Black, Add</i>	8.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.59	
26 05 29 00-0234 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	77.85	
<i>For UV Black, Add</i>	9.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.77	
26 05 29 00-0235 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	108.40	
<i>For UV Black, Add</i>	14.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 29 00-0236 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	27.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.73	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0237 C 1.1" x 1.1" Tie Mounts With Screw.....	53.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.46	
26 05 29 00-0238 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie	1.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.12	
26 05 29 00-0239 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie	1.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0240 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie	1.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0241 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie	2.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.10	
26 05 29 00-0242 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll	53.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	
26 05 29 00-0243 Fastening Devices For Wireway And Conduit <small>(26 05 29)</small>		
Note: Bolts include drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports.		
26 05 29 00-0244 Toggle Bolts <small>(26 05 29 00-0243)</small>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0245 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.32	
For >50 To 100, Deduct	-0.61	
For >100 To 250, Deduct	-1.22	
For >250 To 500, Deduct	-2.13	
For >500, Deduct	-3.04	
26 05 29 00-0246 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.49	
For >50 To 100, Deduct	-0.63	
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.18	
For >500, Deduct	-3.12	
26 05 29 00-0247 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	6.81	
For >50 To 100, Deduct	-0.64	
For >100 To 250, Deduct	-1.29	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-3.21	
26 05 29 00-0248 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	6.98	
For >50 To 100, Deduct	-0.66	
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-3.29	
26 05 29 00-0249 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.14	
For >50 To 100, Deduct	-0.68	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-3.36	
26 05 29 00-0250 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.93	
For >50 To 100, Deduct	-0.71	
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.46	
For >500, Deduct	-3.50	
26 05 29 00-0251 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.23	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.45	
For >250 To 500, Deduct	-2.52	
For >500, Deduct	-3.59	
26 05 29 00-0252 Machine Screws <small>(26 05 29 00-0243)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0253 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.87	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.92	
26 05 29 00-0254 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	1.90	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.92	
26 05 29 00-0255 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.39	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.81	
For >500, Deduct	-1.16	
26 05 29 00-0256 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.48	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.82	
For >500, Deduct	-1.17	
26 05 29 00-0257 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.03	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.98	
For >500, Deduct	-1.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0258 Hex Lag Bolts With Lag Shield Expansion Anchors <small>(26 05 29 00-0243)</small>		
<i>Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0259 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.94	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0260 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	2.91	
<i>For >50 To 100, Deduct</i>	-0.25	
<i>For >100 To 250, Deduct</i>	-0.49	
<i>For >250 To 500, Deduct</i>	-0.85	
<i>For >500, Deduct</i>	-1.21	
26 05 29 00-0261 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	4.01	
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.05	
<i>For >500, Deduct</i>	-1.50	
26 05 29 00-0262 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.05	
<i>For >50 To 100, Deduct</i>	-0.37	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 500, Deduct</i>	-1.26	
<i>For >500, Deduct</i>	-1.78	
26 05 29 00-0263 Hanger Lag Bolts With Hex Nuts <small>(26 05 29 00-0243)</small>		
<i>Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.</i>		
26 05 29 00-0264 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.20	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0265 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.23	
<i>For >50 To 100, Deduct</i>	-0.19	
<i>For >100 To 250, Deduct</i>	-0.38	
<i>For >250 To 500, Deduct</i>	-0.67	
<i>For >500, Deduct</i>	-0.95	
26 05 29 00-0266 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.63	
<i>For >50 To 100, Deduct</i>	-0.22	
<i>For >100 To 250, Deduct</i>	-0.44	
<i>For >250 To 500, Deduct</i>	-0.76	
<i>For >500, Deduct</i>	-1.08	
26 05 29 00-0267 Hollow Wall Screw Anchors <small>(26 05 29 00-0243)</small>		
26 05 29 00-0268 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.30	
<i>For >50 To 100, Deduct</i>	-0.11	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0269 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.33	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.57	
26 05 29 00-0270 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.39	
<i>For >50 To 100, Deduct</i>	-0.12	
<i>For >100 To 250, Deduct</i>	-0.23	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500, Deduct</i>	-0.58	
26 05 29 00-0271 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.74	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.48	
<i>For >500, Deduct</i>	-0.68	
26 05 29 00-0272 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.81	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0273 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.83	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0274 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.85	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.28	
<i>For >250 To 500, Deduct</i>	-0.49	
<i>For >500, Deduct</i>	-0.69	
26 05 29 00-0275 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.95	
<i>For >50 To 100, Deduct</i>	-0.14	
<i>For >100 To 250, Deduct</i>	-0.29	
<i>For >250 To 500, Deduct</i>	-0.50	
<i>For >500, Deduct</i>	-0.70	

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0276 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.99	
For >50 To 100, Deduct	-0.15	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.50	
For >500, Deduct	-0.71	
26 05 29 00-0277 Lead Screw Anchors (26 05 29 00-0243) Note: Includes screw.		
26 05 29 00-0278 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.09	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.00	
For >500, Deduct	-1.43	
26 05 29 00-0279 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	3.65	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.17	
For >500, Deduct	-1.67	
26 05 29 00-0280 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	4.88	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-2.14	
26 05 29 00-0281 Acoustical T-Bar Clips (26 05 29 00-0243) Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0282 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip.....	4.98	
For >50 To 100, Deduct	-0.39	
For >100 To 250, Deduct	-0.78	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-1.90	
26 05 29 00-0283 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip.....	5.22	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.41	
For >500, Deduct	-2.00	
26 05 29 00-0284 EA 1" Conduit, Push-In Acoustical T-Bar Clip.....	5.67	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.50	
For >500, Deduct	-2.13	
26 05 29 00-0285 Threaded Rod, Accessories And Attachments (26 05 29)		
26 05 29 00-0286 Threaded Rod And Rod Accessories (26 05 29 00-0285)		
26 05 29 00-0287 Carbon Steel Threaded Rod (26 05 29 00-0286) Note: Includes plain finish.		
26 05 29 00-0288 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.32	0.52
For Galvanized, Add	0.52	
For Zinc Coated, Add	0.37	
26 05 29 00-0289 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.14	0.55
For Galvanized, Add	0.82	
For Zinc Coated, Add	0.58	
26 05 29 00-0290 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.31	0.57
For Galvanized, Add	1.27	
For Zinc Coated, Add	0.91	
26 05 29 00-0291 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.95	0.58
For Galvanized, Add	2.31	
For Zinc Coated, Add	1.65	
26 05 29 00-0292 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.56	0.60
For Galvanized, Add	2.54	
For Zinc Coated, Add	1.81	
26 05 29 00-0293 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.30	0.68
For Galvanized, Add	3.57	
For Zinc Coated, Add	2.54	
26 05 29 00-0294 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.78	0.76
For Galvanized, Add	4.50	
For Zinc Coated, Add	3.21	
26 05 29 00-0295 Threaded Rod Couplings (26 05 29 00-0286)		
26 05 29 00-0296 EA 3/8" Diameter, Threaded Rod Coupling Nut.....	6.37	
26 05 29 00-0297 EA 1/2" Diameter, Threaded Rod Coupling Nut.....	7.21	
26 05 29 00-0298 EA 5/8" Diameter, Threaded Rod Coupling Nut.....	8.84	
26 05 29 00-0299 EA 3/4" Diameter, Threaded Rod Coupling Nut.....	10.58	
26 05 29 00-0300 EA 7/8" Diameter, Threaded Rod Coupling Nut.....	14.89	
26 05 29 00-0301 EA 1" Diameter, Threaded Rod Coupling Nut.....	17.64	
26 05 29 00-0302 EA 1-1/8" Diameter, Threaded Rod Coupling Nut	32.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0303 Flat Washers <small>(26 05 29 00-0286)</small>		
26 05 29 00-0304 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	0.55 0.02	0.21
26 05 29 00-0305 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	0.68 0.04	0.21
26 05 29 00-0306 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	0.87 0.08	0.21
26 05 29 00-0307 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.04 0.12	0.41
26 05 29 00-0308 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.16 0.14	0.41
26 05 29 00-0309 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.36 0.17	0.41
26 05 29 00-0310 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer <i>For Galvanized, Add</i>	1.53 0.19	0.41
26 05 29 00-0311 Malleable Iron Eye Sockets <small>(26 05 29 00-0286)</small> Note: Type 16.		
26 05 29 00-0312 EA 3/8" Rod Size, Malleable Iron Eye Socket	7.76	
26 05 29 00-0313 EA 1/2" Rod Size, Malleable Iron Eye Socket	9.29	
26 05 29 00-0314 EA 5/8" Rod Size, Malleable Iron Eye Socket	16.20	
26 05 29 00-0315 EA 3/4" Rod Size, Malleable Iron Eye Socket	23.13	
26 05 29 00-0316 EA 7/8" Rod Size, Malleable Iron Eye Socket	24.64	
26 05 29 00-0317 Hex Nuts <small>(26 05 29 00-0286)</small>		
26 05 29 00-0318 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	0.53 0.02	0.21
26 05 29 00-0319 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	0.65 0.04	0.21
26 05 29 00-0320 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	0.87 0.08	0.21
26 05 29 00-0321 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.01 0.11	0.41
26 05 29 00-0322 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.42 0.21	0.41
26 05 29 00-0323 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	1.80 0.28	0.41
26 05 29 00-0324 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut <i>For Galvanized, Add</i>	2.88 0.53	0.41
26 05 29 00-0325 Forged Steel Turnbuckles <small>(26 05 29 00-0286)</small> Note: Type 13.		
26 05 29 00-0326 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body	19.03	
26 05 29 00-0327 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body	23.50	
26 05 29 00-0328 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body	31.42	
26 05 29 00-0329 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body	38.87	
26 05 29 00-0330 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body	95.37	
26 05 29 00-0331 EA 1" Thread Diameter, Forged Steel Turnbuckle Body	63.62	
26 05 29 00-0332 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	127.69	
26 05 29 00-0333 Attachments <small>(26 05 29 00-0285)</small>		
26 05 29 00-0334 Welded Beam Attachments <small>(26 05 29 00-0333)</small> Note: Type 22.		
26 05 29 00-0335 EA 3/8" Rod Size, Welded Beam Attachment	34.98	8.23
26 05 29 00-0336 EA 1/2" Rod Size, Welded Beam Attachment	37.30	8.64
26 05 29 00-0337 EA 5/8" Rod Size, Welded Beam Attachment	39.70	9.13
26 05 29 00-0338 EA 3/4" Rod Size, Welded Beam Attachment	50.38	9.71
26 05 29 00-0339 EA 7/8" Rod Size, Welded Beam Attachment	60.27	10.28
26 05 29 00-0340 EA 1" Rod Size, Welded Beam Attachment	84.10	11.77
26 05 29 00-0341 EA 1-1/8" Rod Size, Welded Beam Attachment	118.51	12.35
26 05 29 00-0342 C-Clamp Style Beam Clamps <small>(26 05 29 00-0333)</small> Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0343 EA 3/8" Rod Size, C-Clamp Style Beam Clamp	12.57	6.18
26 05 29 00-0344 EA 1/2" Rod Size, C-Clamp Style Beam Clamp	14.91	6.60
26 05 29 00-0345 EA 5/8" Rod Size, C-Clamp Style Beam Clamp	16.88	7.07
26 05 29 00-0346 EA 3/4" Rod Size, C-Clamp Style Beam Clamp	21.53	7.61
26 05 29 00-0347 EA 7/8" Rod Size, C-Clamp Style Beam Clamp	30.92	8.24
26 05 29 00-0348 Bottom Mount I-Beam Clamps <small>(26 05 29 00-0333)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0349 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	33.62	8.24
26 05 29 00-0350 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	49.07	9.00
26 05 29 00-0351 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	69.76	9.89
26 05 29 00-0352 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	83.42	10.99

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0353 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	200.35	12.37
26 05 29 00-0354 Steel U-Bolts <small>(26 05 29 00-0333)</small>		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0355 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt.....	10.23	4.95
26 05 29 00-0356 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt.....	11.08	5.21
26 05 29 00-0357 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt.....	11.92	5.49
26 05 29 00-0358 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	13.51	5.82
26 05 29 00-0359 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	13.96	6.18
26 05 29 00-0360 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt.....	14.94	6.60
26 05 29 00-0361 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	21.25	7.07
26 05 29 00-0362 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt.....	23.40	7.61
26 05 29 00-0363 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt.....	28.16	8.24
26 05 29 00-0364 Stainless Steel Threaded Rod <small>(26 05 29 00-0285)</small>		
26 05 29 00-0365 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	1.95	0.41
For 316 Stainless Steel, Add	0.46	
26 05 29 00-0366 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	2.84	0.45
For 316 Stainless Steel, Add	0.79	
26 05 29 00-0367 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	3.61	0.52
For 316 Stainless Steel, Add	1.04	
26 05 29 00-0368 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	4.90	0.53
For 316 Stainless Steel, Add	1.56	
26 05 29 00-0369 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	5.83	0.55
For 316 Stainless Steel, Add	1.92	
26 05 29 00-0370 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	8.57	0.56
For 316 Stainless Steel, Add	3.02	
26 05 29 00-0371 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	11.87	0.57
For 316 Stainless Steel, Add	4.35	
26 05 29 00-0372 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	16.22	0.58
For 316 Stainless Steel, Add	6.10	
26 05 29 00-0373 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	20.81	0.68
For 316 Stainless Steel, Add	7.87	
26 05 29 00-0374 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod.....	43.67	0.82
For 316 Stainless Steel, Add	16.99	
26 05 29 00-0375 Polyvinyl Chloride (PVC) Coated Supports <small>(26 05 29)</small>		
Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0376 Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0375)</small>		
26 05 29 00-0377 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0376)</small>		
26 05 29 00-0378 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	41.76	16.46
26 05 29 00-0379 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.40	17.94
26 05 29 00-0380 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	48.57	19.75
26 05 29 00-0381 EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.85	21.97
26 05 29 00-0382 EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.68	24.69
26 05 29 00-0383 EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	79.21	27.16
26 05 29 00-0384 EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	86.60	29.63
26 05 29 00-0385 EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	95.26	32.09
26 05 29 00-0386 EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	100.75	34.56
26 05 29 00-0387 EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	108.82	37.03
26 05 29 00-0388 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0376)</small>		
26 05 29 00-0389 EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	44.52	16.46
26 05 29 00-0390 EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	47.28	17.94
26 05 29 00-0391 EA 1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	54.18	19.75
26 05 29 00-0392 EA 1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.85	21.97
26 05 29 00-0393 EA 1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	67.45	24.69
26 05 29 00-0394 EA 2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.89	27.16
26 05 29 00-0395 EA 2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	89.10	29.63
26 05 29 00-0396 EA 3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	98.57	32.09
26 05 29 00-0397 EA 3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	104.92	34.56
26 05 29 00-0398 EA 4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	109.38	37.03
26 05 29 00-0399 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps <small>(26 05 29 00-0376)</small>		
26 05 29 00-0400 EA 1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	42.23	16.30
26 05 29 00-0401 EA 3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	45.47	17.78
26 05 29 00-0402 EA 1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	51.39	19.75
26 05 29 00-0403 EA 1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	59.95	21.73
26 05 29 00-0404 EA 1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	77.25	24.69
26 05 29 00-0405 EA 2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	84.73	27.16
26 05 29 00-0406 Polyvinyl Chloride (PVC) Coated Conduit Straps <small>(26 05 29 00-0375)</small>		
26 05 29 00-0407 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps <small>(26 05 29 00-0406)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0408 EA 1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	4.76	0.49
26 05 29 00-0409 EA 3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	5.16	0.49
26 05 29 00-0410 EA 1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	7.52	0.49
26 05 29 00-0411 EA 1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.12	0.49
26 05 29 00-0412 EA 1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	11.97	0.49
26 05 29 00-0413 EA 2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.91	0.49
26 05 29 00-0414 EA 2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	23.82	0.49
26 05 29 00-0415 EA 3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	31.87	0.49
26 05 29 00-0416 EA 3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	56.30	0.49
26 05 29 00-0417 EA 4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	59.83	0.49
26 05 29 00-0418 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0406)		
26 05 29 00-0419 EA 1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.38	0.99
26 05 29 00-0420 EA 3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.42	0.99
26 05 29 00-0421 EA 1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.66	0.99
26 05 29 00-0422 EA 1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.10	0.99
26 05 29 00-0423 EA 1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	12.43	0.99
26 05 29 00-0424 EA 2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	14.22	0.99
26 05 29 00-0425 EA 2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	15.97	0.99
26 05 29 00-0426 EA 3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	16.68	0.99
26 05 29 00-0427 EA 3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.80	0.99
26 05 29 00-0428 EA 4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	19.29	0.99
26 05 29 00-0429 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0375)		
26 05 29 00-0430 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0429)		
26 05 29 00-0431 EA 1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	8.53	0.99
26 05 29 00-0432 EA 3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	9.89	0.99
26 05 29 00-0433 EA 1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	12.37	0.99
26 05 29 00-0434 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	14.44	0.99
26 05 29 00-0435 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	19.25	0.99
26 05 29 00-0436 EA 2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	30.84	0.99
26 05 29 00-0437 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	46.95	0.99
26 05 29 00-0438 EA 3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	64.03	0.99
26 05 29 00-0439 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	111.90	0.99
26 05 29 00-0440 EA 4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	111.90	0.99
26 05 29 00-0441 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0375)		
26 05 29 00-0442 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0441)		
26 05 29 00-0443 LF 3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	5.87	0.66
26 05 29 00-0444 LF 1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	7.21	0.74
26 05 29 00-0445 Attachments (26 05 29 00-0375)		
26 05 29 00-0446 Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0445)		
26 05 29 00-0447 EA 1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.34	4.95
26 05 29 00-0448 EA 3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	12.77	5.19
26 05 29 00-0449 EA 1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	13.46	5.52
26 05 29 00-0450 EA 1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	14.32	5.85
26 05 29 00-0451 EA 1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	15.24	6.18
26 05 29 00-0452 EA 2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.04	6.60
26 05 29 00-0453 EA 2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	24.00	7.09
26 05 29 00-0454 EA 3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.22	7.58
26 05 29 00-0455 EA 4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.91	8.24
26 05 29 00-0456 EA 5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	42.93	9.40
26 05 29 00-0457 EA 6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	53.02	10.88
26 05 29 00-0458 Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps (26 05 29 00-0445)		
26 05 29 00-0459 EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	42.64	16.30
26 05 29 00-0460 EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	49.23	16.30
26 05 29 00-0461 EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	51.94	16.30
26 05 29 00-0462 EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	57.13	17.28
26 05 29 00-0463 EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	66.78	19.75
26 05 29 00-0464 Polyvinyl Chloride (PVC) Coated Pipe Straps (26 05 29 00-0445)		
Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0465 EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	14.90	5.43
26 05 29 00-0466 EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	15.74	5.92
26 05 29 00-0467 EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	17.13	6.41
26 05 29 00-0468 EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	19.35	7.41
26 05 29 00-0469 EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	22.12	8.39
26 05 29 00-0470 EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	24.45	8.89
26 05 29 00-0471 EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	27.04	9.87
26 05 29 00-0472 EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	31.88	10.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 29 Hangers And Supports For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0473 EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	34.69	11.36
26 05 29 00-0474 EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.59	12.35
26 05 29 00-0475 EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap	39.29	13.82
26 05 29 00-0476 Polyvinyl Chloride (PVC) Coated Channel (26 05 29 00-0375)		
26 05 29 00-0477 LF Polyvinyl Chloride (PVC) Coated Channel, A12	14.46	2.47
26 05 29 00-0478 LF Polyvinyl Chloride (PVC) Coated Channel, A12A	25.31	3.46
26 05 29 00-0479 LF Polyvinyl Chloride (PVC) Coated Channel, A12P	15.39	2.47
26 05 29 00-0480 LF Polyvinyl Chloride (PVC) Coated Channel, C14	11.61	2.47
26 05 29 00-0481 LF Polyvinyl Chloride (PVC) Coated Channel, C14P	12.19	2.47
26 05 29 00-0482 Polymer Concrete Pads (26 05 29) Note: Excludes excavation and backfill.		
26 05 29 00-0483 Polymer Concrete, Box Pads (26 05 29 00-0482)		
26 05 29 00-0484 EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	738.78	90.05
26 05 29 00-0485 EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	761.87	90.05
26 05 29 00-0486 EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	974.01	90.05
26 05 29 00-0487 EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,009.18	90.05
26 05 29 00-0488 EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	941.26	90.05
26 05 29 00-0489 EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	1,107.37	90.05
26 05 29 00-0490 EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	1,234.74	90.05
26 05 29 00-0491 EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	1,196.47	112.56
26 05 29 00-0492 EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	1,791.57	112.56
26 05 29 00-0493 EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	2,389.61	112.56
26 05 29 00-0494 Polymer Concrete, Telecommunications Equipment Pads (26 05 29 00-0482)		
26 05 29 00-0495 EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	363.62	51.22
26 05 29 00-0496 EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	426.69	51.22
26 05 29 00-0497 EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	548.50	67.53
26 05 29 00-0498 EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	571.94	67.53
26 05 29 00-0499 EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	810.54	67.53
26 05 29 00-0500 EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	843.70	67.53
26 05 29 00-0501 EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	905.49	67.53
26 05 29 00-0502 EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	905.49	67.53
26 05 29 00-0503 EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,681.77	67.53
26 05 29 00-0504 EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,903.28	67.53
26 05 29 00-0505 Polymer Concrete, Electrical Equipment Pads (26 05 29 00-0482)		
26 05 29 00-0506 EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	230.05	51.22
26 05 29 00-0507 EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	246.27	51.22
26 05 29 00-0508 EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	261.04	51.22
26 05 29 00-0509 EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	310.09	51.22
26 05 29 00-0510 EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	288.20	51.22
26 05 29 00-0511 EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	298.51	51.22
26 05 29 00-0512 EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	325.26	51.22
26 05 29 00-0513 EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	340.86	51.22
26 05 29 00-0514 EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	392.96	51.22
26 05 29 00-0515 EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad.....	478.78	51.22
26 05 29 00-0516 EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	695.59	67.53
26 05 29 00-0517 EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	726.96	67.53
26 05 29 00-0518 EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	736.85	67.53
26 05 29 00-0519 EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	802.79	67.53
26 05 29 00-0520 EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,684.75	67.53
26 05 29 00-0521 EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad.....	1,980.17	67.53
26 05 33 Raceway And Boxes For Electrical Systems (26 05)		
26 05 33 13 Conduit For Electrical Systems (26 05 33)		
26 05 33 13-0001 Conduit Assemblies (26 05 33 13) Note: With fittings and wire.		
26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies (26 05 33 13-0001)		
26 05 33 13-0003 CLF 1/2" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly.....	538.08	247.59
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	148.55	
26 05 33 13-0004 CLF 1/2" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly.....	589.26	270.54
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	162.31	
26 05 33 13-0005 CLF 1/2" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly.....	569.98	258.95
Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	155.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0006 CLF 1/2" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	632.46 171.58	285.96
26 05 33 13-0007 CLF 3/4" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	619.09 169.37	282.27
26 05 33 13-0008 CLF 3/4" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	671.05 183.23	305.37
26 05 33 13-0009 CLF 3/4" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	722.13 196.96	328.24
26 05 33 13-0010 CLF 3/4" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	773.51 210.77	351.26
26 05 33 13-0011 CLF 3/4" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	651.42 176.18	293.63
26 05 33 13-0012 CLF 3/4" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	713.50 192.28	320.49
26 05 33 13-0013 CLF 3/4" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	775.21 208.27	347.13
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	836.89 224.25	373.76
26 05 33 13-0015 CLF 1" Electrical Metallic Tubing (EMT) With 3 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	759.66 204.23	340.35
26 05 33 13-0016 CLF 1" Electrical Metallic Tubing (EMT) With 4 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	810.09 217.76	362.92
26 05 33 13-0017 CLF 1" Electrical Metallic Tubing (EMT) With 5 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	856.46 231.67	385.95
26 05 33 13-0018 CLF 1" Electrical Metallic Tubing (EMT) With 6 #12 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	912.11 245.16	408.97
26 05 33 13-0019 CLF 1" Electrical Metallic Tubing (EMT) With 3 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	790.72 210.77	351.26
26 05 33 13-0020 CLF 1" Electrical Metallic Tubing (EMT) With 4 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	852.12 226.67	377.82
26 05 33 13-0021 CLF 1" Electrical Metallic Tubing (EMT) With 5 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	914.62 242.90	404.91
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) With 6 #10 THHN/THWN Assembly..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	977.76 259.05	431.31
26 05 33 13-0023 Rigid Galvanized Steel (RGS) Conduit Assemblies <small>(26 05 33 13-0001)</small> Note: Includes conduit, terminations, straps, wire as indicated. Per CLF.		
26 05 33 13-0024 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	637.18 165.89	276.49
26 05 33 13-0025 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	688.83 179.79	299.66
26 05 33 13-0026 CLF 1/2" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	669.11 172.70	287.84
26 05 33 13-0027 CLF 1/2" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	730.13 188.49	314.17

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0028 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #12 THHN/THWN Wire Assembly.....	726.20	313.04
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	187.82	
26 05 33 13-0029 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	898.66	396.63
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	237.95	
26 05 33 13-0030 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	827.76	358.49
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	215.09	
26 05 33 13-0031 CLF 3/4" Rigid Galvanized Steel (RGS) With 3 #10 THHN/THWN Wire Assembly.....	757.42	324.26
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	194.41	
26 05 33 13-0032 CLF 3/4" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	818.96	350.96
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	210.35	
26 05 33 13-0033 CLF 3/4" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	881.77	377.60
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	226.67	
26 05 33 13-0034 CLF 1" Rigid Galvanized Steel (RGS) With 4 #12 THHN/THWN Wire Assembly.....	926.11	391.96
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	235.29	
26 05 33 13-0035 CLF 1" Rigid Galvanized Steel (RGS) With 5 #12 THHN/THWN Wire Assembly.....	975.93	414.91
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	248.64	
26 05 33 13-0036 CLF 1" Rigid Galvanized Steel (RGS) With 6 #12 THHN/THWN Wire Assembly.....	1,028.93	437.78
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	262.94	
26 05 33 13-0037 CLF 1" Rigid Galvanized Steel (RGS) With 4 #10 THHN/THWN Wire Assembly.....	967.54	407.01
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	244.03	
26 05 33 13-0038 CLF 1" Rigid Galvanized Steel (RGS) With 5 #10 THHN/THWN Wire Assembly.....	1,030.30	433.64
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	260.34	
26 05 33 13-0039 CLF 1" Rigid Galvanized Steel (RGS) With 6 #10 THHN/THWN Wire Assembly.....	1,091.09	460.35
Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
For Work In Restricted Working Space, Add	276.05	
26 05 33 13-0040 Conduit ^(26 05 33 13)		
Note: Includes warning tape for underground conduits. Where 4-1/2" conduit is required, use tasks for 5" conduit.		
Add couplings as required at each fitting.		
26 05 33 13-0041 Conduit Installed Above Grade ^(26 05 33 13-0040)		
See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0042 Rigid Galvanized Steel (RGS) Conduit ^(26 05 33 13-0041)		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0043 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ^(26 05 33 13-0042)		
Note: Includes field bending for conduit up to 1".		
26 05 33 13-0044 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	5.62	1.65
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.46	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.04	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.24	
For Installation Above 14', Add	0.62	
26 05 33 13-0045 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	6.34	1.80
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.36	
For >1,000, Deduct	-0.52	
For Installation In Metal Stud Wall, Add	0.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
26 05 33 13-0046 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	8.09	2.11
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.68	
For Installation In Metal Stud Wall, Add	0.53	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.79	
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0047 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.79	2.41
For >250 To 500, Deduct	-0.19	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.83	
For Installation In Metal Stud Wall, Add	0.60	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.90	
For Work In Restricted Working Space, Add	1.81	
For Installation Above 14', Add	0.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0048 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	11.38	2.71
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500 To 1,000, Deduct</i>	-0.68	
<i>For >1,000, Deduct</i>	-0.97	
<i>For Installation In Metal Stud Wall, Add</i>	0.68	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.69	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.02	
<i>For Work In Restricted Working Space, Add</i>	2.03	
<i>For Installation Above 14', Add</i>	1.02	
26 05 33 13-0049 LF 2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	14.44	3.31
<i>For >250 To 500, Deduct</i>	-0.31	
<i>For >500 To 1,000, Deduct</i>	-0.88	
<i>For >1,000, Deduct</i>	-1.24	
<i>For Installation In Metal Stud Wall, Add</i>	0.83	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.07	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	2.48	
<i>For Installation Above 14', Add</i>	1.24	
26 05 33 13-0050 LF 2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	21.52	4.51
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500 To 1,000, Deduct</i>	-1.33	
<i>For >1,000, Deduct</i>	-1.87	
<i>For Installation In Metal Stud Wall, Add</i>	1.13	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.82	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.39	
<i>For Installation Above 14', Add</i>	1.69	
26 05 33 13-0051 LF 3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	28.06	6.02
<i>For >250 To 500, Deduct</i>	-0.65	
<i>For >500 To 1,000, Deduct</i>	-1.73	
<i>For >1,000, Deduct</i>	-2.43	
<i>For Installation In Metal Stud Wall, Add</i>	1.51	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.76	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.26	
<i>For Work In Restricted Working Space, Add</i>	4.52	
<i>For Installation Above 14', Add</i>	2.26	
26 05 33 13-0052 LF 3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	34.69	7.52
<i>For >250 To 500, Deduct</i>	-0.79	
<i>For >500 To 1,000, Deduct</i>	-2.13	
<i>For >1,000, Deduct</i>	-3.00	
<i>For Installation In Metal Stud Wall, Add</i>	1.88	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.70	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.82	
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
26 05 33 13-0053 LF 4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	41.04	9.02
<i>For >250 To 500, Deduct</i>	-0.92	
<i>For >500 To 1,000, Deduct</i>	-2.51	
<i>For >1,000, Deduct</i>	-3.54	
<i>For Installation In Metal Stud Wall, Add</i>	2.26	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5.64	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.39	
<i>For Work In Restricted Working Space, Add</i>	6.77	
<i>For Installation Above 14', Add</i>	3.39	
26 05 33 13-0054 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	66.02	11.44
<i>For >250 To 500, Deduct</i>	-1.87	
<i>For >500 To 1,000, Deduct</i>	-4.24	
<i>For >1,000, Deduct</i>	-5.89	
<i>For Installation In Metal Stud Wall, Add</i>	2.86	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	7.15	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	8.57	
<i>For Installation Above 14', Add</i>	4.29	
26 05 33 13-0055 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	88.74	14.45
<i>For >250 To 500, Deduct</i>	-2.63	
<i>For >500 To 1,000, Deduct</i>	-5.75	
<i>For >1,000, Deduct</i>	-7.97	
<i>For Installation In Metal Stud Wall, Add</i>	3.61	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9.03	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.42	
<i>For Work In Restricted Working Space, Add</i>	10.83	
<i>For Installation Above 14', Add</i>	5.42	
26 05 33 13-0056 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small>		
See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0057 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	63.73	16.62
<i>For Work In Restricted Working Space, Add</i>	12.46	
<i>For Installation Above 14', Add</i>	6.23	
26 05 33 13-0058 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	91.48	20.76
<i>For Work In Restricted Working Space, Add</i>	15.57	
<i>For Installation Above 14', Add</i>	7.79	
26 05 33 13-0059 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	129.64	28.28
<i>For Work In Restricted Working Space, Add</i>	21.21	
<i>For Installation Above 14', Add</i>	10.61	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0060 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	171.89 23.93 11.96	31.90
26 05 33 13-0061 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	209.97 31.14 15.57	41.53
26 05 33 13-0062 EA 5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	343.49 50.79 25.39	67.71
26 05 33 13-0063 EA 6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	516.39 76.28 38.14	101.71
26 05 33 13-0064 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0065 EA 1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.58 5.60 2.80	7.45
26 05 33 13-0066 EA 3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.37 6.97 3.48	9.25
26 05 33 13-0067 EA 1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	36.24 8.50 4.25	11.36
26 05 33 13-0068 EA 1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	46.44 9.87 4.93	13.16
26 05 33 13-0069 EA 1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	53.91 11.33 5.66	15.12
26 05 33 13-0070 EA 2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	63.73 12.46 6.23	16.62
26 05 33 13-0071 EA 2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.87 15.57 7.79	20.76
26 05 33 13-0072 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	123.38 21.21 10.61	28.28
26 05 33 13-0073 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	163.08 23.93 11.96	31.90
26 05 33 13-0074 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	198.26 31.14 15.57	41.53
26 05 33 13-0075 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	343.49 50.79 25.39	67.71
26 05 33 13-0076 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	516.39 76.28 38.14	101.71
26 05 33 13-0077 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0078 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	56.04 11.15 5.58	18.58
26 05 33 13-0079 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	64.56 12.91 6.45	21.52
26 05 33 13-0080 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	74.70 14.67 7.34	24.45
26 05 33 13-0081 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	84.18 16.14 8.07	26.90
26 05 33 13-0082 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0083 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	60.93 11.15 5.58	18.58
26 05 33 13-0084 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.85 12.91 6.45	21.52
26 05 33 13-0085 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.56 14.67 7.34	24.45
26 05 33 13-0086 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.39 16.14 8.07	26.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0087 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	116.24 20.24 10.12	33.74
26 05 33 13-0088 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	156.42 27.58 13.79	45.97
26 05 33 13-0089 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0090 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	61.16 11.15 5.58	18.58
26 05 33 13-0091 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	70.23 12.91 6.45	21.52
26 05 33 13-0092 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	80.66 14.67 7.34	24.45
26 05 33 13-0093 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	94.32 16.14 8.07	26.90
26 05 33 13-0094 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	122.69 20.24 10.12	33.74
26 05 33 13-0095 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	161.63 27.58 13.79	45.97
26 05 33 13-0096 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	202.18 31.10 15.55	51.83
26 05 33 13-0097 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	245.04 40.49 20.25	67.48
26 05 33 13-0098 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0099 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	68.96 11.15 5.58	18.58
26 05 33 13-0100 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	77.89 12.91 6.45	21.52
26 05 33 13-0101 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.39 14.67 7.34	24.45
26 05 33 13-0102 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	102.77 16.14 8.07	26.90
26 05 33 13-0103 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	134.22 20.24 10.12	33.74
26 05 33 13-0104 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	179.70 27.58 13.79	45.97
26 05 33 13-0105 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	219.75 31.10 15.55	51.83
26 05 33 13-0106 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	259.05 40.49 20.25	67.48
26 05 33 13-0107 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <small>(26 05 33 13-0042)</small> See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0108 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	68.49 11.15 5.58	18.58
26 05 33 13-0109 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.58 12.91 6.45	21.52
26 05 33 13-0110 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.55 14.67 7.34	24.45
26 05 33 13-0111 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	110.82 16.14 8.07	26.90
26 05 33 13-0112 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.28 20.24 10.12	33.74
26 05 33 13-0113 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	193.97 27.58 13.79	45.97

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0114	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	237.11 31.10 15.55	51.83
26 05 33	13-0115	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	284.75 40.49 20.25	67.48
26 05 33	13-0116	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	412.44 66.02 33.01	110.02
26 05 33 13-0117 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <small>(26 05 33 13-0042)</small>					
See CSI section 26 05 33 13-2346 for conduit field bending.					
26 05 33	13-0118	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	72.66 11.15 5.58	18.58
26 05 33	13-0119	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	86.38 12.91 6.45	21.52
26 05 33	13-0120	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	103.35 14.67 7.34	24.45
26 05 33	13-0121	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	117.11 16.14 8.07	26.90
26 05 33	13-0122	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	158.39 20.24 10.12	33.74
26 05 33	13-0123	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	206.17 27.58 13.79	45.97
26 05 33	13-0124	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	259.54 31.10 15.55	51.83
26 05 33	13-0125	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	296.84 40.49 20.25	67.48
26 05 33	13-0126	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	511.10 66.02 33.01	110.02
26 05 33	13-0127	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	650.33 99.17 49.59	165.29
26 05 33 13-0128 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <small>(26 05 33 13-0042)</small>					
See CSI section 26 05 33 13-2346 for conduit field bending.					
26 05 33	13-0129	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	78.76 11.15 5.58	18.58
26 05 33	13-0130	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	93.83 12.91 6.45	21.52
26 05 33	13-0131	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	111.28 14.67 7.34	24.45
26 05 33	13-0132	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	125.39 16.14 8.07	26.90
26 05 33	13-0133	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	168.42 20.24 10.12	33.74
26 05 33	13-0134	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	224.05 27.58 13.79	45.97
26 05 33	13-0135	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	277.47 31.10 15.55	51.83
26 05 33	13-0136	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	348.44 40.49 20.25	67.48
26 05 33	13-0137	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	582.28 66.02 33.01	110.02
26 05 33	13-0138	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	711.96 99.17 49.59	165.29
26 05 33 13-0139 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <small>(26 05 33 13-0042)</small>					
See CSI section 26 05 33 13-2346 for conduit field bending.					
26 05 33	13-0140	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.84 11.15 5.58	18.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0141 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	99.58	21.52
<i>For Work In Restricted Working Space, Add</i>	12.91	
<i>For Installation Above 14', Add</i>	6.45	
26 05 33 13-0142 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	116.29	24.45
<i>For Work In Restricted Working Space, Add</i>	14.67	
<i>For Installation Above 14', Add</i>	7.34	
26 05 33 13-0143 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	140.87	26.90
<i>For Work In Restricted Working Space, Add</i>	16.14	
<i>For Installation Above 14', Add</i>	8.07	
26 05 33 13-0144 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	186.92	33.74
<i>For Work In Restricted Working Space, Add</i>	20.24	
<i>For Installation Above 14', Add</i>	10.12	
26 05 33 13-0145 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	242.07	45.97
<i>For Work In Restricted Working Space, Add</i>	27.58	
<i>For Installation Above 14', Add</i>	13.79	
26 05 33 13-0146 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	300.01	51.83
<i>For Work In Restricted Working Space, Add</i>	31.10	
<i>For Installation Above 14', Add</i>	15.55	
26 05 33 13-0147 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	375.82	67.48
<i>For Work In Restricted Working Space, Add</i>	40.49	
<i>For Installation Above 14', Add</i>	20.25	
26 05 33 13-0148 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	604.56	110.02
<i>For Work In Restricted Working Space, Add</i>	66.02	
<i>For Installation Above 14', Add</i>	33.01	
26 05 33 13-0149 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	724.43	165.29
<i>For Work In Restricted Working Space, Add</i>	99.17	
<i>For Installation Above 14', Add</i>	49.59	
26 05 33 13-0150 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0151 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	9.86	4.79
<i>For Work In Restricted Working Space, Add</i>	2.88	
<i>For Installation Above 14', Add</i>	1.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.88	
26 05 33 13-0152 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	10.60	5.11
<i>For Work In Restricted Working Space, Add</i>	3.07	
<i>For Installation Above 14', Add</i>	1.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-0153 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	12.06	5.75
<i>For Work In Restricted Working Space, Add</i>	3.45	
<i>For Installation Above 14', Add</i>	1.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.45	
26 05 33 13-0154 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	13.59	6.40
<i>For Work In Restricted Working Space, Add</i>	3.84	
<i>For Installation Above 14', Add</i>	1.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 05 33 13-0155 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	17.08	7.99
<i>For Work In Restricted Working Space, Add</i>	4.80	
<i>For Installation Above 14', Add</i>	2.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
26 05 33 13-0156 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	21.20	9.59
<i>For Work In Restricted Working Space, Add</i>	5.75	
<i>For Installation Above 14', Add</i>	2.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.75	
26 05 33 13-0157 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	26.85	11.19
<i>For Work In Restricted Working Space, Add</i>	6.71	
<i>For Installation Above 14', Add</i>	3.36	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.71	
26 05 33 13-0158 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	30.29	12.79
<i>For Work In Restricted Working Space, Add</i>	7.67	
<i>For Installation Above 14', Add</i>	3.84	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0159 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	35.32	12.04
<i>For Work In Restricted Working Space, Add</i>	8.63	
<i>For Installation Above 14', Add</i>	4.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.63	
26 05 33 13-0160 EA 4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	39.18	15.99
<i>For Work In Restricted Working Space, Add</i>	9.59	
<i>For Installation Above 14', Add</i>	4.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.59	
26 05 33 13-0161 EA 5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	47.47	17.59
<i>For Work In Restricted Working Space, Add</i>	10.55	
<i>For Installation Above 14', Add</i>	5.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.55	
26 05 33 13-0162 EA 6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	69.51	19.18
<i>For Work In Restricted Working Space, Add</i>	11.51	
<i>For Installation Above 14', Add</i>	5.76	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.51	
26 05 33 13-0163 Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0164 EA 1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	11.97	5.64
<i>For Work In Restricted Working Space, Add</i>	3.39	
<i>For Installation Above 14', Add</i>	1.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0165	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	13.04	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-0166	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	15.28	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33	13-0167	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	17.19	7.52
			<i>For Work In Restricted Working Space, Add</i>	4.52	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33	13-0168	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	21.98	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0169	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	25.98	11.29
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0170	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	37.03	13.16
			<i>For Work In Restricted Working Space, Add</i>	7.90	
			<i>For Installation Above 14', Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.90	
26 05 33	13-0171	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	44.15	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33	13-0172	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	66.66	16.92
			<i>For Work In Restricted Working Space, Add</i>	10.16	
			<i>For Installation Above 14', Add</i>	5.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 05 33	13-0173	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	90.82	18.81
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33	13-0174	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	122.07	20.69
			<i>For Work In Restricted Working Space, Add</i>	12.41	
			<i>For Installation Above 14', Add</i>	6.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33	13-0175	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	181.33	22.57
			<i>For Work In Restricted Working Space, Add</i>	13.54	
			<i>For Installation Above 14', Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.54	
26 05 33	13-0176		Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0042)</small>		
26 05 33	13-0177	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	12.78	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33	13-0178	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	14.25	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33	13-0179	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.81	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33	13-0180	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	19.78	7.52
			<i>For Work In Restricted Working Space, Add</i>	4.52	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33	13-0181	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	24.67	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0182	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	30.76	11.29
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0183	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	43.51	13.16
			<i>For Work In Restricted Working Space, Add</i>	7.90	
			<i>For Installation Above 14', Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.90	
26 05 33	13-0184	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	51.74	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33	13-0185	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	68.08	16.92
			<i>For Work In Restricted Working Space, Add</i>	10.16	
			<i>For Installation Above 14', Add</i>	5.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0186 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	97.15	18.81
<i>For Work In Restricted Working Space, Add</i>	11.29	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-0187 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	128.97	20.69
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-0188 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	183.76	22.57
<i>For Work In Restricted Working Space, Add</i>	13.54	
<i>For Installation Above 14', Add</i>	6.77	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.54	
26 05 33 13-0189 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing <small>(26 05 33 13-0042)</small>		
26 05 33 13-0190 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	19.56	6.77
<i>For Work In Restricted Working Space, Add</i>	4.07	
<i>For Installation Above 14', Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-0191 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	21.91	7.52
<i>For Work In Restricted Working Space, Add</i>	4.52	
<i>For Installation Above 14', Add</i>	2.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0192 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	25.11	8.27
<i>For Work In Restricted Working Space, Add</i>	4.97	
<i>For Installation Above 14', Add</i>	2.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0193 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	29.88	9.40
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0194 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	36.10	11.66
<i>For Work In Restricted Working Space, Add</i>	7.00	
<i>For Installation Above 14', Add</i>	3.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
26 05 33 13-0195 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	45.59	13.92
<i>For Work In Restricted Working Space, Add</i>	8.35	
<i>For Installation Above 14', Add</i>	4.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.35	
26 05 33 13-0196 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	61.35	16.17
<i>For Work In Restricted Working Space, Add</i>	9.71	
<i>For Installation Above 14', Add</i>	4.85	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.71	
26 05 33 13-0197 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	67.54	18.81
<i>For Work In Restricted Working Space, Add</i>	11.29	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-0198 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	76.40	21.06
<i>For Work In Restricted Working Space, Add</i>	12.64	
<i>For Installation Above 14', Add</i>	6.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.64	
26 05 33 13-0199 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	99.09	23.32
<i>For Work In Restricted Working Space, Add</i>	13.99	
<i>For Installation Above 14', Add</i>	7.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.99	
26 05 33 13-0200 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	141.44	25.58
<i>For Work In Restricted Working Space, Add</i>	15.35	
<i>For Installation Above 14', Add</i>	7.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.35	
26 05 33 13-0201 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	195.60	28.21
<i>For Work In Restricted Working Space, Add</i>	16.93	
<i>For Installation Above 14', Add</i>	8.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.93	
26 05 33 13-0202 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw <small>(26 05 33 13-0042)</small>		
26 05 33 13-0203 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	10.96	3.46
<i>For Work In Restricted Working Space, Add</i>	2.57	
<i>For Installation Above 14', Add</i>	1.29	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33 13-0204 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	13.24	3.99
<i>For Work In Restricted Working Space, Add</i>	2.98	
<i>For Installation Above 14', Add</i>	1.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.98	
26 05 33 13-0205 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	17.24	4.81
<i>For Work In Restricted Working Space, Add</i>	3.59	
<i>For Installation Above 14', Add</i>	1.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.59	
26 05 33 13-0206 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	25.22	5.95
<i>For Work In Restricted Working Space, Add</i>	4.47	
<i>For Installation Above 14', Add</i>	2.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.47	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0207	EA		1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	34.12	7.97
			<i>For Work In Restricted Working Space, Add</i>	5.99	
			<i>For Installation Above 14', Add</i>	2.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.99	
26 05 33 13-0208	EA		2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	57.66	11.96
			<i>For Work In Restricted Working Space, Add</i>	8.97	
			<i>For Installation Above 14', Add</i>	4.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.97	
26 05 33 13-0209	EA		2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	101.83	13.24
			<i>For Work In Restricted Working Space, Add</i>	9.93	
			<i>For Installation Above 14', Add</i>	4.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
26 05 33 13-0210	EA		3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	121.43	16.02
			<i>For Work In Restricted Working Space, Add</i>	12.03	
			<i>For Installation Above 14', Add</i>	6.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.03	
26 05 33 13-0211	EA		3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	163.79	20.09
			<i>For Work In Restricted Working Space, Add</i>	15.06	
			<i>For Installation Above 14', Add</i>	7.53	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06	
26 05 33 13-0212	EA		4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	192.02	24.07
			<i>For Work In Restricted Working Space, Add</i>	18.06	
			<i>For Installation Above 14', Add</i>	9.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06	
26 05 33 13-0213	EA		5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	333.34	26.78
			<i>For Work In Restricted Working Space, Add</i>	20.06	
			<i>For Installation Above 14', Add</i>	10.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.06	
26 05 33 13-0214	EA		6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	397.77	30.10
			<i>For Work In Restricted Working Space, Add</i>	22.56	
			<i>For Installation Above 14', Add</i>	11.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.56	
26 05 33 13-0215			Rigid Galvanized Steel (RGS) Nipples <small>(26 05 33 13-0042)</small>		
26 05 33 13-0216	EA		1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	10.68	4.89
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0217	EA		3/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	12.29	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0218	EA		1" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	15.71	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0219	EA		1-1/4" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	18.34	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0220	EA		1-1/2" x 2" Long Rigid Galvanized Steel (RGS) Nipple.....	20.93	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0221	EA		1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	10.75	4.89
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0222	EA		3/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	12.40	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0223	EA		1" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	15.83	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0224	EA		1-1/4" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	18.51	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0225	EA		1-1/2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	21.20	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0226	EA		2" x 2-1/2" Long Rigid Galvanized Steel (RGS) Nipple.....	23.95	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0227	EA		1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple.....	10.83	4.89
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0228 EA 3/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	12.50 3.38 1.69 3.38	5.64
26 05 33 13-0229 EA 1" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.01 4.29 2.15 4.29	7.15
26 05 33 13-0230 EA 1-1/4" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.66 4.97 2.48 4.97	8.27
26 05 33 13-0231 EA 1-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.39 5.64 2.82 5.64	9.40
26 05 33 13-0232 EA 2" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.41 6.32 3.16 6.32	10.54
26 05 33 13-0233 EA 2-1/2" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.49 7.67 3.84 7.67	12.79
26 05 33 13-0234 EA 3" x 3" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85 10.61 5.30 10.61	17.68
26 05 33 13-0235 EA 1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.93 2.93 1.47 2.93	4.89
26 05 33 13-0236 EA 3/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.56 3.38 1.69 3.38	5.64
26 05 33 13-0237 EA 1" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.24 4.29 2.15 4.29	7.15
26 05 33 13-0238 EA 1-1/4" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.95 4.97 2.48 4.97	8.27
26 05 33 13-0239 EA 1-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.77 5.64 2.82 5.64	9.40
26 05 33 13-0240 EA 2" x 3-1/2" Long Rigid Galvanized Steel (RGS), Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.87 6.32 3.16 6.32	10.54
26 05 33 13-0241 EA 2-1/2" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.75 7.67 3.84 7.67	12.79
26 05 33 13-0242 EA 3" x 3-1/2" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.94 10.61 5.30 10.61	17.68
26 05 33 13-0243 EA 1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.02 2.93 1.47 2.93	4.89
26 05 33 13-0244 EA 3/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.73 3.38 1.69 3.38	5.64
26 05 33 13-0245 EA 1" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.38 4.29 2.15 4.29	7.15
26 05 33 13-0246 EA 1-1/4" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.09 4.97 2.48 4.97	8.27
26 05 33 13-0247 EA 1-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.03 5.64 2.82 5.64	9.40
26 05 33 13-0248 EA 2" x 4" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.27 6.32 3.16 6.32	10.54

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0249 EA 2-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	34.13	12.79
For Work In Restricted Working Space, Add	7.67	
For Installation Above 14', Add	3.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-0250 EA 3" x 4" Long Rigid Galvanized Steel (RGS) Nipple	45.75	17.68
For Work In Restricted Working Space, Add	10.61	
For Installation Above 14', Add	5.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 05 33 13-0251 EA 3-1/2" x 4" Long Rigid Galvanized Steel (RGS) Nipple	52.51	19.94
For Work In Restricted Working Space, Add	11.96	
For Installation Above 14', Add	5.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-0252 EA 4" x 4" Long Rigid Galvanized Steel (RGS) Nipple	66.10	25.96
For Work In Restricted Working Space, Add	15.57	
For Installation Above 14', Add	7.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.57	
26 05 33 13-0253 EA 1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	11.17	4.89
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0254 EA 3/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	12.95	5.64
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0255 EA 1" x 5" Long Rigid Galvanized Steel (RGS) Nipple	16.65	7.15
For Work In Restricted Working Space, Add	4.29	
For Installation Above 14', Add	2.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0256 EA 1-1/4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	19.50	8.27
For Work In Restricted Working Space, Add	4.97	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.97	
26 05 33 13-0257 EA 1-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	22.43	9.40
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0258 EA 2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	25.97	10.54
For Work In Restricted Working Space, Add	6.32	
For Installation Above 14', Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-0259 EA 2-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	35.69	12.79
For Work In Restricted Working Space, Add	7.67	
For Installation Above 14', Add	3.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-0260 EA 3" x 5" Long Rigid Galvanized Steel (RGS) Nipple	47.44	17.68
For Work In Restricted Working Space, Add	10.61	
For Installation Above 14', Add	5.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.61	
26 05 33 13-0261 EA 3-1/2" x 5" Long Rigid Galvanized Steel (RGS) Nipple	54.19	19.94
For Work In Restricted Working Space, Add	11.96	
For Installation Above 14', Add	5.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.96	
26 05 33 13-0262 EA 4" x 5" Long Rigid Galvanized Steel (RGS) Nipple	68.55	25.96
For Work In Restricted Working Space, Add	15.57	
For Installation Above 14', Add	7.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.57	
26 05 33 13-0263 EA 5" x 5" Long Rigid Galvanized Steel (RGS) Nipple	103.77	35.73
For Work In Restricted Working Space, Add	21.44	
For Installation Above 14', Add	10.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.44	
26 05 33 13-0264 EA 6" x 5" Long Rigid Galvanized Steel (RGS) Nipple	131.97	45.82
For Work In Restricted Working Space, Add	27.51	
For Installation Above 14', Add	13.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.51	
26 05 33 13-0265 EA 1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	11.44	4.89
For Work In Restricted Working Space, Add	2.93	
For Installation Above 14', Add	1.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.93	
26 05 33 13-0266 EA 3/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	13.22	5.64
For Work In Restricted Working Space, Add	3.38	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.38	
26 05 33 13-0267 EA 1" x 6" Long Rigid Galvanized Steel (RGS) Nipple	16.87	7.15
For Work In Restricted Working Space, Add	4.29	
For Installation Above 14', Add	2.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0268 EA 1-1/4" x 6" Long Rigid Galvanized Steel (RGS) Nipple	19.87	8.27
For Work In Restricted Working Space, Add	4.97	
For Installation Above 14', Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.97	
26 05 33 13-0269 EA 1-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple	23.26	9.40
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0270 EA 2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.67 6.32 3.16 6.32	10.54
26 05 33 13-0271 EA 2-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.05 7.67 3.84 7.67	12.79
26 05 33 13-0272 EA 3" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.15 10.61 5.30 10.61	17.68
26 05 33 13-0273 EA 3-1/2" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.24 11.96 5.98 11.96	19.94
26 05 33 13-0274 EA 4" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.49 15.57 7.79 15.57	25.96
26 05 33 13-0275 EA 5" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.62 21.44 10.72 21.44	35.73
26 05 33 13-0276 EA 6" x 6" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.14 27.51 13.76 27.51	45.82
26 05 33 13-0277 EA 1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.43 2.93 1.47 2.93	4.89
26 05 33 13-0278 EA 3/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48 3.38 1.69 3.38	5.64
26 05 33 13-0279 EA 1" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.36 4.29 2.15 4.29	7.15
26 05 33 13-0280 EA 1-1/4" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.98 4.97 2.48 4.97	8.27
26 05 33 13-0281 EA 1-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.61 5.64 2.82 5.64	9.40
26 05 33 13-0282 EA 2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.16 6.32 3.16 6.32	10.54
26 05 33 13-0283 EA 2-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.67 7.67 3.84 7.67	12.79
26 05 33 13-0284 EA 3" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.31 10.61 5.30 10.61	17.68
26 05 33 13-0285 EA 3-1/2" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.38 11.96 5.98 11.96	19.94
26 05 33 13-0286 EA 4" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.07 15.57 7.79 15.57	25.96
26 05 33 13-0287 EA 5" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.22 21.44 10.72 21.44	35.73
26 05 33 13-0288 EA 6" x 8" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.55 27.51 13.76 27.51	45.82
26 05 33 13-0289 EA 1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.09 2.93 1.47 2.93	4.89
26 05 33 13-0290 EA 3/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.13 3.38 1.69 3.38	5.64

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0291	EA		1" x 10" Long Rigid Galvanized Steel (RGS) Nipple	19.54	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0292	EA		1-1/4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	23.38	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0293	EA		1-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	26.99	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0294	EA		2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	30.76	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0295	EA		2-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	43.10	12.79
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0296	EA		3" x 10" Long Rigid Galvanized Steel (RGS) Nipple	56.57	17.68
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-0297	EA		3-1/2" x 10" Long Rigid Galvanized Steel (RGS) Nipple	64.68	19.94
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 33 13-0298	EA		4" x 10" Long Rigid Galvanized Steel (RGS) Nipple	80.51	25.96
			<i>For Work In Restricted Working Space, Add</i>	15.57	
			<i>For Installation Above 14', Add</i>	7.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	
26 05 33 13-0299	EA		5" x 10" Long Rigid Galvanized Steel (RGS) Nipple	120.42	35.73
			<i>For Work In Restricted Working Space, Add</i>	21.44	
			<i>For Installation Above 14', Add</i>	10.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	
26 05 33 13-0300	EA		6" x 10" Long Rigid Galvanized Steel (RGS) Nipple	156.50	45.82
			<i>For Work In Restricted Working Space, Add</i>	27.51	
			<i>For Installation Above 14', Add</i>	13.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.51	
26 05 33 13-0301	EA		1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	13.60	4.89
			<i>For Work In Restricted Working Space, Add</i>	2.93	
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-0302	EA		3/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	15.60	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-0303	EA		1" x 12" Long Rigid Galvanized Steel (RGS) Nipple	20.24	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0304	EA		1-1/4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	24.51	8.27
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Installation Above 14', Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-0305	EA		1-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	27.69	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0306	EA		2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	32.10	10.54
			<i>For Work In Restricted Working Space, Add</i>	6.32	
			<i>For Installation Above 14', Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-0307	EA		2-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	45.96	12.79
			<i>For Work In Restricted Working Space, Add</i>	7.67	
			<i>For Installation Above 14', Add</i>	3.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-0308	EA		3" x 12" Long Rigid Galvanized Steel (RGS) Nipple	61.11	17.68
			<i>For Work In Restricted Working Space, Add</i>	10.61	
			<i>For Installation Above 14', Add</i>	5.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-0309	EA		3-1/2" x 12" Long Rigid Galvanized Steel (RGS) Nipple	68.87	19.94
			<i>For Work In Restricted Working Space, Add</i>	11.96	
			<i>For Installation Above 14', Add</i>	5.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 33 13-0310	EA		4" x 12" Long Rigid Galvanized Steel (RGS) Nipple	85.97	25.96
			<i>For Work In Restricted Working Space, Add</i>	15.57	
			<i>For Installation Above 14', Add</i>	7.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	
26 05 33 13-0311	EA		5" x 12" Long Rigid Galvanized Steel (RGS) Nipple	130.77	35.73
			<i>For Work In Restricted Working Space, Add</i>	21.44	
			<i>For Installation Above 14', Add</i>	10.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0312 EA 6" x 12" Long Rigid Galvanized Steel (RGS) Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.70 27.51 13.76 27.51	45.82
26 05 33 13-0313 Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0042)		
26 05 33 13-0314 EA 1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13 2.96 1.48 2.96	3.91
26 05 33 13-0315 EA 3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.16 3.37 1.68 3.37	4.51
26 05 33 13-0316 EA 1" Rigid Galvanized Steel (RGS) Off-Set Nipple..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.57 4.31 2.15 4.31	5.71
26 05 33 13-0317 EA 1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.78 5.16 2.58 5.16	6.85
26 05 33 13-0318 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.74 5.65 2.82 5.65	7.52
26 05 33 13-0319 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.42 6.96 3.48 6.96	9.25
26 05 33 13-0320 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.00 11.29 5.64 11.29	15.05
26 05 33 13-0321 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.48 15.57 7.79 15.57	20.76
26 05 33 13-0322 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.81 18.29 9.15 18.29	24.52
26 05 33 13-0323 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.77 21.22 10.61 21.22	28.28
26 05 33 13-0324 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0042) Note: Erickson fittings.		
26 05 33 13-0325 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.01 9.04 4.52 9.04	12.04
26 05 33 13-0326 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.04 10.09 5.04 10.09	13.46
26 05 33 13-0327 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.90 11.24 5.62 11.24	14.97
26 05 33 13-0328 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.46 12.30 6.15 12.30	16.40
26 05 33 13-0329 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.20 13.46 6.73 13.46	17.91
26 05 33 13-0330 EA 2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.30 14.57 7.29 14.57	19.41
26 05 33 13-0331 EA 2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.84 18.06 9.03 18.06	24.07
26 05 33 13-0332 EA 3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.15 22.57 11.28 22.57	30.10

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0333	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	223.43	36.11
			<i>For Work In Restricted Working Space, Add</i>	27.09	
			<i>For Installation Above 14', Add</i>	13.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.09	
26 05 33	13-0334	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	254.33	39.12
			<i>For Work In Restricted Working Space, Add</i>	29.34	
			<i>For Installation Above 14', Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.34	
26 05 33	13-0335	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	441.64	48.14
			<i>For Work In Restricted Working Space, Add</i>	36.11	
			<i>For Installation Above 14', Add</i>	18.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.11	
26 05 33	13-0336	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	567.41	55.67
			<i>For Work In Restricted Working Space, Add</i>	41.75	
			<i>For Installation Above 14', Add</i>	20.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.75	
26 05 33 13-0337 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0042)</small>					
26 05 33	13-0338	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	18.45	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.52	
			<i>For Installation Above 14', Add</i>	2.26	
26 05 33	13-0339	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	20.57	6.62
			<i>For Work In Restricted Working Space, Add</i>	4.97	
			<i>For Installation Above 14', Add</i>	2.48	
26 05 33	13-0340	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	23.60	7.52
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
26 05 33	13-0341	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	26.63	8.12
			<i>For Work In Restricted Working Space, Add</i>	6.09	
			<i>For Installation Above 14', Add</i>	3.05	
26 05 33	13-0342	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	31.38	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.39	
26 05 33	13-0343	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	37.84	9.94
			<i>For Work In Restricted Working Space, Add</i>	7.45	
			<i>For Installation Above 14', Add</i>	3.72	
26 05 33	13-0344	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	50.98	12.04
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
26 05 33	13-0345	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	63.09	15.05
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For Installation Above 14', Add</i>	5.64	
26 05 33	13-0346	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	75.79	18.06
			<i>For Work In Restricted Working Space, Add</i>	13.54	
			<i>For Installation Above 14', Add</i>	6.77	
26 05 33	13-0347	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	85.30	19.56
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Installation Above 14', Add</i>	7.34	
26 05 33 13-0348 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0042)</small>					
26 05 33	13-0349	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	16.86	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33	13-0350	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	18.78	7.52
			<i>For Work In Restricted Working Space, Add</i>	4.52	
			<i>For Installation Above 14', Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33	13-0351	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	23.19	9.40
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33	13-0352	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	28.52	11.29
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0353	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	36.64	15.05
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33	13-0354	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	42.60	16.92
			<i>For Work In Restricted Working Space, Add</i>	10.16	
			<i>For Installation Above 14', Add</i>	5.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.16	
26 05 33	13-0355	EA	2-1/2" Water Tight Conduit Hubs	52.45	18.81
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33	13-0356	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	70.64	23.70
			<i>For Work In Restricted Working Space, Add</i>	14.22	
			<i>For Installation Above 14', Add</i>	7.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0357 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.88 17.15 8.58 17.15	28.58
26 05 33 13-0358 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.91 20.31 10.16 20.31	33.86
26 05 33 13-0359 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement ^(26 05 33 13-0042) Note: Type AX		
26 05 33 13-0360 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	79.33 9.03 4.52	12.04
26 05 33 13-0361 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	90.06 10.16 5.08	13.55
26 05 33 13-0362 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	106.76 11.29 5.64	15.05
26 05 33 13-0363 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	130.93 12.41 6.21	16.55
26 05 33 13-0364 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	164.82 13.54 6.77	18.06
26 05 33 13-0365 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	228.42 14.67 7.34	19.56
26 05 33 13-0366 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	350.39 18.06 9.03	24.07
26 05 33 13-0367 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	449.00 22.57 11.28	30.10
26 05 33 13-0368 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	656.29 27.08 13.54	36.11
26 05 33 13-0369 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	699.54 29.34 14.67	39.12
26 05 33 13-0370 EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,072.73 36.11 18.06	48.14
26 05 33 13-0371 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,318.37 40.09 20.04	53.42
26 05 33 13-0372 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement ^(26 05 33 13-0042) Note: Type AX-8		
26 05 33 13-0373 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	87.56 9.03 4.52	12.04
26 05 33 13-0374 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	97.35 10.16 5.08	13.55
26 05 33 13-0375 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	118.20 11.29 5.64	15.05
26 05 33 13-0376 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	148.95 12.41 6.21	16.55
26 05 33 13-0377 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	200.63 13.54 6.77	18.06
26 05 33 13-0378 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	245.53 14.67 7.34	19.56
26 05 33 13-0379 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	461.31 18.06 9.03	24.07
26 05 33 13-0380 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	524.74 22.57 11.28	30.10
26 05 33 13-0381 EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	805.97 27.08 13.54	36.11
26 05 33 13-0382 EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	872.54 29.34 14.67	39.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0383	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,218.55 36.11 18.06	48.14
26 05 33	13-0384	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,505.99 40.09 20.04	53.42
26 05 33 13-0385 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0042)</small>					
Note: Type EX					
26 05 33	13-0386	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.61 9.03 4.52	12.04
26 05 33	13-0387	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	125.75 10.16 5.08	13.55
26 05 33	13-0388	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	156.57 11.29 5.64	15.05
26 05 33	13-0389	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	190.50 12.41 6.21	16.55
26 05 33	13-0390	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	256.88 13.54 6.77	18.06
26 05 33	13-0391	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	354.23 14.67 7.34	19.56
26 05 33	13-0392	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	550.80 18.06 9.03	24.07
26 05 33	13-0393	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	742.63 22.57 11.28	30.10
26 05 33	13-0394	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,115.88 27.08 13.54	36.11
26 05 33	13-0395	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,154.82 29.34 14.67	39.12
26 05 33	13-0396	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,738.91 36.11 18.06	48.14
26 05 33	13-0397	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2,156.27 40.09 20.04	53.42
26 05 33 13-0398 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings <small>(26 05 33 13-0042)</small>					
Note: Type DX					
26 05 33	13-0399	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	173.88 9.03 4.52	12.04
26 05 33	13-0400	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	207.21 10.16 5.08	13.55
26 05 33	13-0401	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	250.57 11.29 5.64	15.05
26 05 33	13-0402	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	294.65 12.41 6.21	16.55
26 05 33	13-0403	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	325.86 13.54 6.77	18.06
26 05 33	13-0404	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	402.94 14.67 7.34	19.56
26 05 33	13-0405	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	532.71 18.06 9.03	24.07
26 05 33	13-0406	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	675.61 22.57 11.28	30.10
26 05 33	13-0407	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	760.02 27.08 13.54	36.11
26 05 33	13-0408	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	921.98 29.34 14.67	39.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	1,578.34 36.11 18.06	48.14
26 05 33 13-0410 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	2,511.36 40.09 20.04	53.42
26 05 33 13-0411 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0042)</small>		
26 05 33 13-0412 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	44.69 4.52 2.26	6.02
26 05 33 13-0413 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	51.45 5.64 2.82	7.52
26 05 33 13-0414 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	63.45 6.77 3.39	9.02
26 05 33 13-0415 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.17 9.03 4.52	12.04
26 05 33 13-0416 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	135.11 13.55 6.77	18.06
26 05 33 13-0417 EA 5" To 6" Conduit, 14" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	231.11 18.06 9.03	24.07
26 05 33 13-0418 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	49.77 4.52 2.26	6.02
26 05 33 13-0419 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.87 5.64 2.82	7.52
26 05 33 13-0420 EA 1-1/2" To 2" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	69.32 6.77 3.39	9.02
26 05 33 13-0421 EA 2-1/2" To 3" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	96.97 9.03 4.52	12.04
26 05 33 13-0422 EA 3-1/2" To 4" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.46 13.55 6.77	18.06
26 05 33 13-0423 EA 5" To 6" Conduit, 24" Bonding Jumper <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	264.48 18.06 9.03	24.07
26 05 33 13-0424 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0042)</small>		
26 05 33 13-0425 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.21 11.29 5.64 11.29	18.81
26 05 33 13-0426 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.84 13.54 6.77 13.54	22.57
26 05 33 13-0427 EA 1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.27 15.80 7.90 15.80	26.33
26 05 33 13-0428 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.42 18.06 9.03 18.06	30.10
26 05 33 13-0429 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.80 20.31 10.16 20.31	33.86
26 05 33 13-0430 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	159.56 22.57 11.28 22.57	37.62
26 05 33 13-0431 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	221.30 27.08 13.54 27.08	45.14
26 05 33 13-0432 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.36 31.60 15.80 31.60	52.67
26 05 33 13-0433 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	581.94 36.11 18.06 36.11	60.19

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0434	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	669.62 40.63 20.31 40.63	67.71
26 05 33 13-0435 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0042)					
26 05 33	13-0436	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.00 2.71 1.35	4.51
26 05 33	13-0437	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	14.02 3.84 1.92	6.40
26 05 33	13-0438	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	18.43 4.97 2.48	8.27
26 05 33	13-0439	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.18 5.64 2.82	9.40
26 05 33	13-0440	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	25.54 6.77 3.39	11.29
26 05 33	13-0441	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.00 7.67 3.84	12.79
26 05 33	13-0442	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	38.51 8.57 4.29	14.30
26 05 33	13-0443	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	45.26 9.71 4.85	16.17
26 05 33	13-0444	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	52.80 10.61 5.30	17.68
26 05 33	13-0445	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	55.79 11.29 5.64	18.81
26 05 33 13-0446 Rigid Galvanized Steel (RGS) Sealing Locknut (26 05 33 13-0042)					
26 05 33	13-0447	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.37	0.75
26 05 33	13-0448	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.26	1.13
26 05 33	13-0449	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.41	1.88
26 05 33	13-0450	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	7.84	2.64
26 05 33	13-0451	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.43	3.01
26 05 33	13-0452	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.11	3.39
26 05 33 13-0453 Rigid Galvanized Steel (RGS) Fire Stop Fittings (26 05 33 13-0042)					
26 05 33	13-0454	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.79 6.85 3.42 6.85	9.13
26 05 33	13-0455	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.98 7.51 3.75 7.51	10.01
26 05 33	13-0456	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.41 8.22 4.11 8.22	10.99
26 05 33	13-0457	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.34 9.04 4.52 9.04	12.04
26 05 33	13-0458	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.31 10.16 5.08 10.16	13.55
26 05 33	13-0459	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.03 11.29 5.65 11.29	15.05
26 05 33	13-0460	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	302.62 15.05 7.53 15.05	20.09
26 05 33	13-0461	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	335.63 16.54 8.27 16.54	22.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0462 EA 3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	389.77	24.07
<i>For Work In Restricted Working Space, Add</i>	18.06	
<i>For Installation Above 14', Add</i>	9.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06	
26 05 33 13-0463 EA 4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	439.36	27.08
<i>For Work In Restricted Working Space, Add</i>	20.31	
<i>For Installation Above 14', Add</i>	10.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.31	
26 05 33 13-0464 EA 5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	587.12	30.10
<i>For Work In Restricted Working Space, Add</i>	22.57	
<i>For Installation Above 14', Add</i>	11.28	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.57	
26 05 33 13-0465 EA 6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	728.63	33.41
<i>For Work In Restricted Working Space, Add</i>	25.05	
<i>For Installation Above 14', Add</i>	12.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.05	
26 05 33 13-0466 Rigid Galvanized Steel (RGS) Reducing Bushings <small>(26 05 33 13-0042)</small>		
26 05 33 13-0467 EA 3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	12.33	5.84
<i>For Work In Restricted Working Space, Add</i>	3.50	
<i>For Installation Above 14', Add</i>	1.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0468 EA 1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	13.64	6.21
<i>For Work In Restricted Working Space, Add</i>	3.72	
<i>For Installation Above 14', Add</i>	1.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.72	
26 05 33 13-0469 EA 1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	14.02	6.40
<i>For Work In Restricted Working Space, Add</i>	3.84	
<i>For Installation Above 14', Add</i>	1.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.84	
26 05 33 13-0470 EA 1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.36	6.59
<i>For Work In Restricted Working Space, Add</i>	3.95	
<i>For Installation Above 14', Add</i>	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-0471 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	16.75	6.77
<i>For Work In Restricted Working Space, Add</i>	4.07	
<i>For Installation Above 14', Add</i>	2.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-0472 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	17.50	7.15
<i>For Work In Restricted Working Space, Add</i>	4.29	
<i>For Installation Above 14', Add</i>	2.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-0473 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	18.93	7.52
<i>For Work In Restricted Working Space, Add</i>	4.52	
<i>For Installation Above 14', Add</i>	2.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.52	
26 05 33 13-0474 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.30	7.71
<i>For Work In Restricted Working Space, Add</i>	4.63	
<i>For Installation Above 14', Add</i>	2.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 33 13-0475 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.05	8.09
<i>For Work In Restricted Working Space, Add</i>	4.85	
<i>For Installation Above 14', Add</i>	2.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.85	
26 05 33 13-0476 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.80	8.46
<i>For Work In Restricted Working Space, Add</i>	5.08	
<i>For Installation Above 14', Add</i>	2.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.08	
26 05 33 13-0477 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	25.43	8.46
<i>For Work In Restricted Working Space, Add</i>	5.08	
<i>For Installation Above 14', Add</i>	2.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.08	
26 05 33 13-0478 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	25.81	8.65
<i>For Work In Restricted Working Space, Add</i>	5.19	
<i>For Installation Above 14', Add</i>	2.60	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.19	
26 05 33 13-0479 EA 2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	26.57	9.02
<i>For Work In Restricted Working Space, Add</i>	5.42	
<i>For Installation Above 14', Add</i>	2.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.42	
26 05 33 13-0480 EA 2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	27.32	9.40
<i>For Work In Restricted Working Space, Add</i>	5.64	
<i>For Installation Above 14', Add</i>	2.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-0481 EA 2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	29.20	10.35
<i>For Work In Restricted Working Space, Add</i>	6.21	
<i>For Installation Above 14', Add</i>	3.10	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.21	
26 05 33 13-0482 EA 2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	37.06	12.22
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Installation Above 14', Add</i>	3.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0483			Rigid Galvanized Steel (RGS) Locknuts (26 05 33 13-0042)		
26 05 33 13-0484	EA		1/2" Rigid Galvanized Steel (RGS) Locknuts.....	1.56	0.75
			<i>For Work In Restricted Working Space, Add</i>	0.45	
			<i>For Installation Above 14', Add</i>	0.23	
26 05 33 13-0485	EA		3/4" Rigid Galvanized Steel (RGS) Locknuts.....	2.35	1.13
			<i>For Work In Restricted Working Space, Add</i>	0.68	
			<i>For Installation Above 14', Add</i>	0.34	
26 05 33 13-0486	EA		1" Rigid Galvanized Steel (RGS) Locknuts.....	3.91	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.13	
			<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0487	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	5.50	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
26 05 33 13-0488	EA		1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	6.33	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0489	EA		2" Rigid Galvanized Steel (RGS) Locknuts.....	7.15	3.39
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Installation Above 14', Add</i>	1.02	
26 05 33 13-0490	EA		2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	10.03	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0491	EA		3" Rigid Galvanized Steel (RGS) Locknuts.....	12.40	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Installation Above 14', Add</i>	1.69	
26 05 33 13-0492	EA		3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	14.64	6.40
			<i>For Work In Restricted Working Space, Add</i>	3.84	
			<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0493	EA		4" Rigid Galvanized Steel (RGS) Locknuts.....	16.43	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.15	
26 05 33 13-0494			Rigid Galvanized Steel (RGS) Grounding Locknuts (26 05 33 13-0042)		
26 05 33 13-0495	EA		1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	2.42	0.75
			<i>For Work In Restricted Working Space, Add</i>	0.45	
			<i>For Installation Above 14', Add</i>	0.23	
26 05 33 13-0496	EA		3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	3.37	1.13
			<i>For Work In Restricted Working Space, Add</i>	0.68	
			<i>For Installation Above 14', Add</i>	0.34	
26 05 33 13-0497	EA		1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	5.34	1.88
			<i>For Work In Restricted Working Space, Add</i>	1.13	
			<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0498	EA		1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	7.46	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
26 05 33 13-0499	EA		1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	8.43	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0500	EA		2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	9.92	3.39
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Installation Above 14', Add</i>	1.02	
26 05 33 13-0501	EA		2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	14.87	4.51
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0502	EA		3" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	18.72	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Installation Above 14', Add</i>	1.69	
26 05 33 13-0503	EA		3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	24.85	6.40
			<i>For Work In Restricted Working Space, Add</i>	3.84	
			<i>For Installation Above 14', Add</i>	1.92	
26 05 33 13-0504	EA		4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	29.85	7.15
			<i>For Work In Restricted Working Space, Add</i>	4.29	
			<i>For Installation Above 14', Add</i>	2.15	
26 05 33 13-0505			Rigid Galvanized Steel (RGS) Insulated Ground Bushing (26 05 33 13-0042)		
26 05 33 13-0506	EA		1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	6.82	2.26
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.68	
26 05 33 13-0507	EA		3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	8.52	3.01
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0508	EA		1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	10.89	3.76
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Installation Above 14', Add</i>	1.13	
26 05 33 13-0509	EA		1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	15.81	6.02
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Installation Above 14', Add</i>	1.81	
26 05 33 13-0510	EA		1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	17.81	6.77
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Installation Above 14', Add</i>	2.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0511 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.27 4.52 2.26	7.52
26 05 33 13-0512 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.16 5.42 2.71	9.02
26 05 33 13-0513 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	34.13 6.77 3.39	11.29
26 05 33 13-0514 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	42.05 9.03 4.52	15.05
26 05 33 13-0515 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	51.12 11.29 5.64	18.81
26 05 33 13-0516 Rigid Galvanized Steel (RGS) Threadless Compression Connectors <small>(26 05 33 13-0042)</small>		
26 05 33 13-0517 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	15.17 4.07 2.03	6.77
26 05 33 13-0518 EA 3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.66 4.52 2.26	7.52
26 05 33 13-0519 EA 1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	22.88 5.64 2.82	9.40
26 05 33 13-0520 EA 1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	30.23 6.77 3.39	11.29
26 05 33 13-0521 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	40.71 9.03 4.52	15.05
26 05 33 13-0522 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	57.98 11.29 5.64	18.81
26 05 33 13-0523 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	92.10 13.54 6.77	22.57
26 05 33 13-0524 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	114.92 15.80 7.90	26.33
26 05 33 13-0525 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	145.30 19.19 9.59	31.97
26 05 33 13-0526 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	174.82 22.57 11.28	37.62
26 05 33 13-0527 Rigid Galvanized Steel (RGS) Compression Coupling <small>(26 05 33 13-0042)</small>		
26 05 33 13-0528 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	21.42 5.64 2.82	9.40
26 05 33 13-0529 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	26.76 6.77 3.39	11.29
26 05 33 13-0530 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	37.40 9.03 4.52	15.05
26 05 33 13-0531 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.43 11.29 5.64	18.81
26 05 33 13-0532 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	59.22 13.54 6.77	22.57
26 05 33 13-0533 EA 2" Rigid Galvanized Steel (RGS) Compression Connector <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	83.45 15.80 7.90	26.33
26 05 33 13-0534 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	125.03 18.06 9.03	30.10
26 05 33 13-0535 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	137.82 15.57 7.79	25.96
26 05 33 13-0536 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	192.08 23.70 11.85	39.50
26 05 33 13-0537 EA 4" Rigid Galvanized Steel (RGS) Compression Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	234.99 27.08 13.54	45.14
26 05 33 13-0538 Rigid Galvanized Steel (RGS) Knock Out Seal <small>(26 05 33 13-0042)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0539 EA 1/2" Snap-in Knock Out Seal	3.96	1.88
For Work In Restricted Working Space, Add	1.13	
For Installation Above 14', Add	0.56	
26 05 33 13-0540 EA 3/4" Snap-in Knock Out Seal	4.77	2.26
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
26 05 33 13-0541 EA 1" Snap-in Knock Out Seal	5.67	2.64
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
26 05 33 13-0542 EA 1-1/4" Snap-in Knock Out Seal	7.30	3.39
For Work In Restricted Working Space, Add	2.03	
For Installation Above 14', Add	1.02	
26 05 33 13-0543 EA 1-1/2" Snap-in Knock Out Seal	8.26	3.76
For Work In Restricted Working Space, Add	2.26	
For Installation Above 14', Add	1.13	
26 05 33 13-0544 EA 2" Snap-in Knock Out Seal	10.07	4.51
For Work In Restricted Working Space, Add	2.71	
For Installation Above 14', Add	1.35	
26 05 33 13-0545 EA 2-1/2" 3-Piece Knock Out Seal	13.74	5.64
For Work In Restricted Working Space, Add	3.39	
For Installation Above 14', Add	1.69	
26 05 33 13-0546 EA 3" 3-Piece Knock Out Seal	15.90	6.40
For Work In Restricted Working Space, Add	3.84	
For Installation Above 14', Add	1.92	
26 05 33 13-0547 EA 3-1/2" 3-Piece Knock Out Seal	17.91	7.15
For Work In Restricted Working Space, Add	4.29	
For Installation Above 14', Add	2.15	
26 05 33 13-0548 EA 4" 3-Piece Knock Out Seal	20.57	7.90
For Work In Restricted Working Space, Add	4.74	
For Installation Above 14', Add	2.37	
26 05 33 13-0549 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0042)		
26 05 33 13-0550 EA 1/2" Rigid Galvanized Steel (RGS) Chase Nipple	9.32	4.51
For Work In Restricted Working Space, Add	2.71	
For Installation Above 14', Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-0551 EA 3/4" Rigid Galvanized Steel (RGS) Chase Nipple	11.04	5.26
For Work In Restricted Working Space, Add	3.16	
For Installation Above 14', Add	1.58	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-0552 EA 1" Rigid Galvanized Steel (RGS) Chase Nipple	13.88	6.40
For Work In Restricted Working Space, Add	3.84	
For Installation Above 14', Add	1.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	
26 05 33 13-0553 EA 1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	16.95	7.52
For Work In Restricted Working Space, Add	4.52	
For Installation Above 14', Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-0554 EA 1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	21.25	9.40
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0555 EA 2" Rigid Galvanized Steel (RGS) Chase Nipple	26.53	11.29
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-0556 EA 2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	33.86	13.16
For Work In Restricted Working Space, Add	7.90	
For Installation Above 14', Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.90	
26 05 33 13-0557 EA 3" Rigid Galvanized Steel (RGS) Chase Nipple	37.83	15.05
For Work In Restricted Working Space, Add	9.03	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.03	
26 05 33 13-0558 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	47.52	16.92
For Work In Restricted Working Space, Add	10.16	
For Installation Above 14', Add	5.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.16	
26 05 33 13-0559 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple	66.25	18.81
For Work In Restricted Working Space, Add	11.29	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-0560 Rigid Galvanized Steel (RGS) Pulling Elbow (26 05 33 13-0042)		
26 05 33 13-0561 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	18.74	6.77
For Work In Restricted Working Space, Add	4.07	
For Installation Above 14', Add	2.03	
26 05 33 13-0562 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	21.76	7.90
For Work In Restricted Working Space, Add	4.74	
For Installation Above 14', Add	2.37	
26 05 33 13-0563 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow	27.96	9.02
For Work In Restricted Working Space, Add	5.42	
For Installation Above 14', Add	2.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0564 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	35.90 6.77 3.39	11.29
26 05 33 13-0565 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	48.24 8.12 4.06	13.55
26 05 33 13-0566 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	65.09 9.48 4.74	15.80
26 05 33 13-0567 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	91.40 10.83 5.42	18.06
26 05 33 13-0568 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	162.27 13.54 6.77	22.57
26 05 33 13-0569 Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0570 Electrical Metallic Tubing (EMT) Thinwall Conduit <small>(26 05 33 13-0569)</small> Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0571 LF 1/2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	3.74 -0.02 -0.20 -0.29 0.34 0.85 0.51 1.02 0.51	1.35
26 05 33 13-0572 LF 3/4" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.39 -0.03 -0.24 -0.35 0.38 0.94 0.56 1.13 0.56	1.50
26 05 33 13-0573 LF 1" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.26 -0.06 -0.29 -0.42 0.41 1.04 0.62 1.24 0.62	1.65
26 05 33 13-0574 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	6.24 -0.08 -0.35 -0.51 0.47 1.17 0.70 1.40 0.70	1.86
26 05 33 13-0575 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	7.20 -0.10 -0.41 -0.59 0.53 1.32 0.79 1.58 0.79	2.11
26 05 33 13-0576 LF 2" Electrical Metallic Tubing (EMT) Conduit..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	8.41 -0.12 -0.48 -0.69 0.60 1.51 0.90 1.81 0.90	2.41
26 05 33 13-0577 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	10.76 -0.18 -0.63 -0.90 0.72 1.79 1.07 2.15 1.07	2.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0578	LF	3" Electrical Metallic Tubing (EMT) Conduit.....	12.87	3.31
			<i>For >250 To 500, Deduct</i>	-0.23	
			<i>For >500 To 1,000, Deduct</i>	-0.76	
			<i>For >1,000, Deduct</i>	-1.08	
			<i>For Installation In Metal Stud Wall, Add</i>	0.83	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.07	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Installation Above 14', Add</i>	1.24	
26 05 33	13-0579	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	16.12	3.91
			<i>For >250 To 500, Deduct</i>	-0.32	
			<i>For >500 To 1,000, Deduct</i>	-0.96	
			<i>For >1,000, Deduct</i>	-1.37	
			<i>For Installation In Metal Stud Wall, Add</i>	0.98	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.45	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	2.94	
			<i>For Installation Above 14', Add</i>	1.47	
26 05 33	13-0580	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	21.79	5.94
			<i>For >250 To 500, Deduct</i>	-0.35	
			<i>For >500 To 1,000, Deduct</i>	-1.26	
			<i>For >1,000, Deduct</i>	-1.81	
			<i>For Installation In Metal Stud Wall, Add</i>	1.48	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.71	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.23	
			<i>For Work In Restricted Working Space, Add</i>	4.45	
			<i>For Installation Above 14', Add</i>	2.23	
26 05 33	13-0581		Electrical Metallic Tubing (EMT) 90 Degree Elbows <small>(26 05 33 13-0569)</small>		
			See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33	13-0582		Electrical Metallic Tubing (EMT) Set Screw Couplings <small>(26 05 33 13-0569)</small>		
26 05 33	13-0583	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	3.96	1.80
			<i>For Work In Restricted Working Space, Add</i>	1.13	
			<i>For Installation Above 14', Add</i>	0.56	
26 05 33	13-0584	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.86	1.80
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.68	
26 05 33	13-0585	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.86	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
26 05 33	13-0586	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.84	2.71
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Installation Above 14', Add</i>	1.02	
26 05 33	13-0587	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	9.82	3.31
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Installation Above 14', Add</i>	1.24	
26 05 33	13-0588	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	13.31	4.51
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Installation Above 14', Add</i>	1.69	
26 05 33	13-0589	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	19.46	6.02
			<i>For Work In Restricted Working Space, Add</i>	4.52	
			<i>For Installation Above 14', Add</i>	2.26	
26 05 33	13-0590	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	24.18	6.92
			<i>For Work In Restricted Working Space, Add</i>	5.64	
			<i>For Installation Above 14', Add</i>	2.82	
26 05 33	13-0591	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	29.09	7.52
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.39	
26 05 33	13-0592	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	77.30	21.52
			<i>For Work In Restricted Working Space, Add</i>	20.89	
			<i>For Installation Above 14', Add</i>	10.45	
26 05 33	13-0593		Electrical Metallic Tubing (EMT) Compression Couplings <small>(26 05 33 13-0569)</small>		
26 05 33	13-0594	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	5.28	1.97
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation Above 14', Add</i>	0.74	
26 05 33	13-0595	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	5.76	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
26 05 33	13-0596	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling.....	8.37	3.01
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Installation Above 14', Add</i>	1.13	
26 05 33	13-0597	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.51	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33	13-0598	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.66	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Installation Above 14', Add</i>	1.58	
26 05 33	13-0599	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling.....	15.84	5.11
			<i>For Work In Restricted Working Space, Add</i>	3.84	
			<i>For Installation Above 14', Add</i>	1.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0600 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	27.40	7.57
For Work In Restricted Working Space, Add	5.68	
For Installation Above 14', Add	2.84	
26 05 33 13-0601 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	31.51	8.42
For Work In Restricted Working Space, Add	6.32	
For Installation Above 14', Add	3.16	
26 05 33 13-0602 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	40.00	10.54
For Work In Restricted Working Space, Add	7.90	
For Installation Above 14', Add	3.95	
26 05 33 13-0603 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	48.73	13.55
For Work In Restricted Working Space, Add	10.16	
For Installation Above 14', Add	5.08	
26 05 33 13-0604 Electrical Metallic Tubing (EMT) Box Connectors With Set Screw <small>(26 05 33 13-0569)</small>		
26 05 33 13-0605 EA 1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	3.99	1.50
For Work In Restricted Working Space, Add	1.13	
For Installation Above 14', Add	0.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.13	
26 05 33 13-0606 EA 3/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	4.91	1.80
For Work In Restricted Working Space, Add	1.35	
For Installation Above 14', Add	0.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.35	
26 05 33 13-0607 EA 1" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	5.85	2.11
For Work In Restricted Working Space, Add	1.58	
For Installation Above 14', Add	0.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.58	
26 05 33 13-0608 EA 1-1/4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	8.49	3.01
For Work In Restricted Working Space, Add	2.26	
For Installation Above 14', Add	1.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	
26 05 33 13-0609 EA 1-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	10.70	3.61
For Work In Restricted Working Space, Add	2.71	
For Installation Above 14', Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-0610 EA 2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	13.47	4.51
For Work In Restricted Working Space, Add	3.39	
For Installation Above 14', Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-0611 EA 2-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	20.33	6.02
For Work In Restricted Working Space, Add	4.52	
For Installation Above 14', Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	
26 05 33 13-0612 EA 3" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	25.10	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0613 EA 3-1/2" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	30.03	9.02
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-0614 EA 4" Electrical Metallic Tubing (EMT) Box Connector With Set Screw.....	34.97	10.54
For Work In Restricted Working Space, Add	7.90	
For Installation Above 14', Add	3.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.90	
26 05 33 13-0615 Electrical Metallic Tubing (EMT) Insulated Box Connectors With Set Screw <small>(26 05 33 13-0569)</small>		
26 05 33 13-0616 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	5.80	2.04
For Work In Restricted Working Space, Add	1.51	
For Installation Above 14', Add	0.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.51	
26 05 33 13-0617 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	6.71	2.19
For Work In Restricted Working Space, Add	1.65	
For Installation Above 14', Add	0.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.65	
26 05 33 13-0618 EA 1" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	8.74	2.71
For Work In Restricted Working Space, Add	2.01	
For Installation Above 14', Add	1.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.01	
26 05 33 13-0619 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	12.14	3.46
For Work In Restricted Working Space, Add	2.57	
For Installation Above 14', Add	1.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.57	
26 05 33 13-0620 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	15.26	3.99
For Work In Restricted Working Space, Add	3.00	
For Installation Above 14', Add	1.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.00	
26 05 33 13-0621 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	19.64	4.81
For Work In Restricted Working Space, Add	3.61	
For Installation Above 14', Add	1.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0622	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	50.34	6.70
			<i>For Work In Restricted Working Space, Add</i>	5.01	
			<i>For Installation Above 14', Add</i>	2.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33	13-0623	EA	3" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	62.03	8.87
			<i>For Work In Restricted Working Space, Add</i>	6.68	
			<i>For Installation Above 14', Add</i>	3.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.68	
26 05 33	13-0624	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw	82.70	11.44
			<i>For Work In Restricted Working Space, Add</i>	8.60	
			<i>For Installation Above 14', Add</i>	4.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33	13-0625	EA	4" Electrical Metallic Tubing (EMT) Insulated Box Connector With Set Screw.....	96.75	15.05
			<i>For Work In Restricted Working Space, Add</i>	11.29	
			<i>For Installation Above 14', Add</i>	5.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33	13-0626		Electrical Metallic Tubing (EMT) Box Compression Connectors <small>(26 05 33 13-0569)</small>		
26 05 33	13-0627	EA	1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	5.89	1.80
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 33	13-0628	EA	3/4" Electrical Metallic Tubing (EMT) Box Compression Connector	7.15	2.11
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.58	
26 05 33	13-0629	EA	1" Electrical Metallic Tubing (EMT) Box Compression Connector	9.33	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-0630	EA	1-1/4" Electrical Metallic Tubing (EMT) Box Compression Connector	15.44	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33	13-0631	EA	1-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	19.97	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Installation Above 14', Add</i>	1.58	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33	13-0632	EA	2" Electrical Metallic Tubing (EMT) Box Compression Connector	27.57	5.41
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Installation Above 14', Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33	13-0633	EA	2-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	65.98	7.22
			<i>For Work In Restricted Working Space, Add</i>	5.42	
			<i>For Installation Above 14', Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.42	
26 05 33	13-0634	EA	3" Electrical Metallic Tubing (EMT) Box Compression Connector	86.80	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.77	
			<i>For Installation Above 14', Add</i>	3.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.77	
26 05 33	13-0635	EA	3-1/2" Electrical Metallic Tubing (EMT) Box Compression Connector	119.11	10.54
			<i>For Work In Restricted Working Space, Add</i>	7.90	
			<i>For Installation Above 14', Add</i>	3.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.90	
26 05 33	13-0636	EA	4" Electrical Metallic Tubing (EMT) Box Compression Connector	125.94	12.04
			<i>For Work In Restricted Working Space, Add</i>	9.03	
			<i>For Installation Above 14', Add</i>	4.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.03	
26 05 33	13-0637		Electrical Metallic Tubing (EMT) Insulated Box Compression Connectors <small>(26 05 33 13-0569)</small>		
26 05 33	13-0638	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	6.57	2.04
			<i>For Work In Restricted Working Space, Add</i>	1.51	
			<i>For Installation Above 14', Add</i>	0.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.51	
26 05 33	13-0639	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	7.63	2.19
			<i>For Work In Restricted Working Space, Add</i>	1.65	
			<i>For Installation Above 14', Add</i>	0.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.65	
26 05 33	13-0640	EA	1" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector	10.37	2.71
			<i>For Work In Restricted Working Space, Add</i>	2.01	
			<i>For Installation Above 14', Add</i>	1.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.01	
26 05 33	13-0641	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	15.91	3.46
			<i>For Work In Restricted Working Space, Add</i>	2.57	
			<i>For Installation Above 14', Add</i>	1.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.57	
26 05 33	13-0642	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	20.66	3.99
			<i>For Work In Restricted Working Space, Add</i>	3.00	
			<i>For Installation Above 14', Add</i>	1.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0643 EA 2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	27.54	4.81
<i>For Work In Restricted Working Space, Add</i>	3.61	
<i>For Installation Above 14', Add</i>	1.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33 13-0644 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	76.85	6.70
<i>For Work In Restricted Working Space, Add</i>	5.01	
<i>For Installation Above 14', Add</i>	2.51	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.01	
26 05 33 13-0645 EA 3" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	99.76	8.87
<i>For Work In Restricted Working Space, Add</i>	6.68	
<i>For Installation Above 14', Add</i>	3.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.68	
26 05 33 13-0646 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	135.71	11.44
<i>For Work In Restricted Working Space, Add</i>	8.60	
<i>For Installation Above 14', Add</i>	4.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.60	
26 05 33 13-0647 EA 4" Electrical Metallic Tubing (EMT) Insulated Box Compression Connector.....	152.83	15.05
<i>For Work In Restricted Working Space, Add</i>	11.29	
<i>For Installation Above 14', Add</i>	5.64	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
26 05 33 13-0648 Electrical Metallic Tubing (EMT) Expansion Fittings <small>(26 05 33 13-0569)</small>		
Note: Excludes jumper.		
26 05 33 13-0649 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	55.62	10.01
<i>For Work In Restricted Working Space, Add</i>	7.51	
<i>For Installation Above 14', Add</i>	3.75	
26 05 33 13-0650 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	66.84	12.11
<i>For Work In Restricted Working Space, Add</i>	9.11	
<i>For Installation Above 14', Add</i>	4.55	
26 05 33 13-0651 EA 1" Electrical Metallic Tubing (EMT) Expansion Fitting.....	84.09	15.20
<i>For Work In Restricted Working Space, Add</i>	11.38	
<i>For Installation Above 14', Add</i>	5.69	
26 05 33 13-0652 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	103.55	18.66
<i>For Work In Restricted Working Space, Add</i>	14.00	
<i>For Installation Above 14', Add</i>	7.00	
26 05 33 13-0653 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	132.00	21.90
<i>For Work In Restricted Working Space, Add</i>	16.42	
<i>For Installation Above 14', Add</i>	8.21	
26 05 33 13-0654 EA 2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	181.48	26.63
<i>For Work In Restricted Working Space, Add</i>	20.00	
<i>For Installation Above 14', Add</i>	10.00	
26 05 33 13-0655 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	266.97	34.23
<i>For Work In Restricted Working Space, Add</i>	25.68	
<i>For Installation Above 14', Add</i>	12.84	
26 05 33 13-0656 EA 3" Electrical Metallic Tubing (EMT) Expansion Fitting.....	322.24	40.02
<i>For Work In Restricted Working Space, Add</i>	30.03	
<i>For Installation Above 14', Add</i>	15.01	
26 05 33 13-0657 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Fitting.....	414.98	43.63
<i>For Work In Restricted Working Space, Add</i>	32.74	
<i>For Installation Above 14', Add</i>	16.37	
26 05 33 13-0658 EA 4" Electrical Metallic Tubing (EMT) Expansion Fitting.....	506.76	48.14
<i>For Work In Restricted Working Space, Add</i>	36.12	
<i>For Installation Above 14', Add</i>	18.06	
26 05 33 13-0659 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters <small>(26 05 33 13-0569)</small>		
26 05 33 13-0660 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	8.50	2.71
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Installation Above 14', Add</i>	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33 13-0661 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	10.01	2.71
<i>For Work In Restricted Working Space, Add</i>	2.00	
<i>For Installation Above 14', Add</i>	1.00	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.00	
26 05 33 13-0662 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	11.71	2.94
<i>For Work In Restricted Working Space, Add</i>	2.23	
<i>For Installation Above 14', Add</i>	1.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.23	
26 05 33 13-0663 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	19.72	3.39
<i>For Work In Restricted Working Space, Add</i>	2.54	
<i>For Installation Above 14', Add</i>	1.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0664 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	23.90	4.06
<i>For Work In Restricted Working Space, Add</i>	3.07	
<i>For Installation Above 14', Add</i>	1.53	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.07	
26 05 33 13-0665 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	27.18	4.66
<i>For Work In Restricted Working Space, Add</i>	3.50	
<i>For Installation Above 14', Add</i>	1.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-0666 EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	37.14	5.87
<i>For Work In Restricted Working Space, Add</i>	4.38	
<i>For Installation Above 14', Add</i>	2.19	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.38	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0667			Intermediate Metal Conduit (IMC) <small>(26 05 33 13-0041)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0668			Intermediate Metal Conduit (IMC) Conduit <small>(26 05 33 13-0667)</small> Note: Includes field bending conduit up to 1".		
26 05 33 13-0669	LF		1/2" Intermediate Metal Conduit (IMC) Conduit	4.83	1.50
			<i>For >250 To 500, Deduct</i>	-0.05	
			<i>For >500 To 1,000, Deduct</i>	-0.08	
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Installation In Metal Stub Wall, Add</i>	0.38	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.94	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.13	
			<i>For Installation Above 14', Add</i>	0.56	
26 05 33 13-0670	LF		3/4" Intermediate Metal Conduit (IMC) Conduit	5.42	1.65
			<i>For >250 To 500, Deduct</i>	-0.06	
			<i>For >500 To 1,000, Deduct</i>	-0.10	
			<i>For >1,000, Deduct</i>	-0.13	
			<i>For Installation In Metal Stub Wall, Add</i>	0.41	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.04	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
			<i>For Installation Above 14', Add</i>	0.62	
26 05 33 13-0671	LF		1" Intermediate Metal Conduit (IMC) Conduit	6.48	1.80
			<i>For >250 To 500, Deduct</i>	-0.10	
			<i>For >500 To 1,000, Deduct</i>	-0.15	
			<i>For >1,000, Deduct</i>	-0.20	
			<i>For Installation In Metal Stub Wall, Add</i>	0.45	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
			<i>For Installation Above 14', Add</i>	0.68	
26 05 33 13-0672	LF		1-1/4" Intermediate Metal Conduit (IMC) Conduit	7.76	3.61
			<i>For >250 To 500, Deduct</i>	-0.13	
			<i>For >500 To 1,000, Deduct</i>	-0.19	
			<i>For >1,000, Deduct</i>	-0.25	
			<i>For Installation In Metal Stub Wall, Add</i>	0.53	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.32	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	1.58	
			<i>For Installation Above 14', Add</i>	0.79	
26 05 33 13-0673	LF		1-1/2" Intermediate Metal Conduit (IMC) Conduit	8.97	2.41
			<i>For >250 To 500, Deduct</i>	-0.15	
			<i>For >500 To 1,000, Deduct</i>	-0.22	
			<i>For >1,000, Deduct</i>	-0.30	
			<i>For Installation In Metal Stub Wall, Add</i>	0.60	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.51	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Installation Above 14', Add</i>	0.90	
26 05 33 13-0674	LF		2" Intermediate Metal Conduit (IMC) Conduit	10.77	2.71
			<i>For >250 To 500, Deduct</i>	-0.20	
			<i>For >500 To 1,000, Deduct</i>	-0.30	
			<i>For >1,000, Deduct</i>	-0.40	
			<i>For Installation In Metal Stub Wall, Add</i>	0.68	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.69	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Installation Above 14', Add</i>	1.02	
26 05 33 13-0675	LF		2-1/2" Intermediate Metal Conduit (IMC) Conduit	17.88	3.61
			<i>For >250 To 500, Deduct</i>	-0.44	
			<i>For >500 To 1,000, Deduct</i>	-0.66	
			<i>For >1,000, Deduct</i>	-0.89	
			<i>For Installation In Metal Stub Wall, Add</i>	0.90	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.26	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Installation Above 14', Add</i>	1.35	
26 05 33 13-0676	LF		3" Intermediate Metal Conduit (IMC) Conduit	22.20	4.51
			<i>For >250 To 500, Deduct</i>	-0.55	
			<i>For >500 To 1,000, Deduct</i>	-0.82	
			<i>For >1,000, Deduct</i>	-1.09	
			<i>For Installation In Metal Stub Wall, Add</i>	1.13	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.82	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Installation Above 14', Add</i>	1.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0677 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit.....	26.18	5.41
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-0.95	
For >1,000, Deduct	-1.26	
For Installation In Metal Stub Wall, Add	1.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.39	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.03	
For Work In Restricted Working Space, Add	4.07	
For Installation Above 14', Add	2.03	
26 05 33 13-0678 LF 4" Intermediate Metal Conduit (IMC) Conduit	30.67	6.32
For >250 To 500, Deduct	-0.74	
For >500 To 1,000, Deduct	-1.12	
For >1,000, Deduct	-1.49	
For Installation In Metal Stub Wall, Add	1.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.95	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.37	
For Work In Restricted Working Space, Add	4.74	
For Installation Above 14', Add	2.37	
26 05 33 13-0679 Intermediate Metal Conduit (IMC) 90 Degree Elbows <small>(26 05 33 13-0667)</small>		
See CSI section 26 05 33 13-2346 for conduit field bending.		
26 05 33 13-0680 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	37.39	11.36
For Work In Restricted Working Space, Add	8.50	
For Installation Above 14', Add	4.25	
26 05 33 13-0681 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	45.61	13.16
For Work In Restricted Working Space, Add	9.87	
For Installation Above 14', Add	4.93	
26 05 33 13-0682 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	53.84	15.12
For Work In Restricted Working Space, Add	11.33	
For Installation Above 14', Add	5.66	
26 05 33 13-0683 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	64.68	16.62
For Work In Restricted Working Space, Add	12.46	
For Installation Above 14', Add	6.23	
26 05 33 13-0684 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	91.22	20.76
For Work In Restricted Working Space, Add	15.57	
For Installation Above 14', Add	7.79	
26 05 33 13-0685 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	130.91	28.28
For Work In Restricted Working Space, Add	21.21	
For Installation Above 14', Add	10.61	
26 05 33 13-0686 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	186.03	31.90
For Work In Restricted Working Space, Add	23.93	
For Installation Above 14', Add	11.96	
26 05 33 13-0687 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	227.07	41.53
For Work In Restricted Working Space, Add	31.14	
For Installation Above 14', Add	15.57	
26 05 33 13-0688 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut <small>(26 05 33 13-0667)</small>		
26 05 33 13-0689 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	10.18	3.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.94	
26 05 33 13-0690 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	11.96	0.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-0691 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	15.42	5.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-0692 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	18.80	6.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.19	
26 05 33 13-0693 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	20.94	7.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-0694 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	26.84	9.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
26 05 33 13-0695 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	48.58	15.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	
26 05 33 13-0696 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	60.91	20.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-0697 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	78.56	24.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.28	
26 05 33 13-0698 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut.....	92.51	28.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.22	
26 05 33 13-0699 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings <small>(26 05 33 13-0667)</small>		
Note: 3-Piece coupling.		
26 05 33 13-0700 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	33.18	12.04
For Work In Restricted Working Space, Add	9.04	
For Installation Above 14', Add	4.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.04	
26 05 33 13-0701 EA 3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	37.56	13.46
For Work In Restricted Working Space, Add	10.09	
For Installation Above 14', Add	5.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.09	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0702 EA 1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	45.04	14.97
For Work In Restricted Working Space, Add	11.24	
For Installation Above 14', Add	5.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.24	
26 05 33 13-0703 EA 1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	54.93	16.40
For Work In Restricted Working Space, Add	12.30	
For Installation Above 14', Add	6.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.30	
26 05 33 13-0704 EA 1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	62.34	17.91
For Work In Restricted Working Space, Add	13.46	
For Installation Above 14', Add	6.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.46	
26 05 33 13-0705 EA 2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	83.55	19.41
For Work In Restricted Working Space, Add	14.57	
For Installation Above 14', Add	7.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.57	
26 05 33 13-0706 EA 2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	135.02	24.07
For Work In Restricted Working Space, Add	18.06	
For Installation Above 14', Add	9.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.06	
26 05 33 13-0707 EA 3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	189.34	30.10
For Work In Restricted Working Space, Add	22.57	
For Installation Above 14', Add	11.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.57	
26 05 33 13-0708 EA 3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	273.63	36.11
For Work In Restricted Working Space, Add	27.09	
For Installation Above 14', Add	13.55	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.09	
26 05 33 13-0709 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	314.78	39.12
For Work In Restricted Working Space, Add	29.34	
For Installation Above 14', Add	14.67	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.34	
26 05 33 13-0710 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0667)</small>		
26 05 33 13-0711 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	18.37	6.02
For Work In Restricted Working Space, Add	4.52	
For Installation Above 14', Add	2.26	
26 05 33 13-0712 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	20.48	6.62
For Work In Restricted Working Space, Add	4.97	
For Installation Above 14', Add	2.48	
26 05 33 13-0713 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	23.49	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
26 05 33 13-0714 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	26.48	8.12
For Work In Restricted Working Space, Add	6.09	
For Installation Above 14', Add	3.05	
26 05 33 13-0715 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	31.17	9.02
For Work In Restricted Working Space, Add	6.77	
For Installation Above 14', Add	3.39	
26 05 33 13-0716 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	37.54	9.94
For Work In Restricted Working Space, Add	7.45	
For Installation Above 14', Add	3.72	
26 05 33 13-0717 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	50.49	12.04
For Work In Restricted Working Space, Add	9.03	
For Installation Above 14', Add	4.52	
26 05 33 13-0718 EA 3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	62.50	15.05
For Work In Restricted Working Space, Add	11.29	
For Installation Above 14', Add	5.64	
26 05 33 13-0719 EA 3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	75.07	18.06
For Work In Restricted Working Space, Add	13.54	
For Installation Above 14', Add	6.77	
26 05 33 13-0720 EA 4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	84.45	19.56
For Work In Restricted Working Space, Add	14.67	
For Installation Above 14', Add	7.34	
26 05 33 13-0721 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs <small>(26 05 33 13-0667)</small>		
26 05 33 13-0722 EA 1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	16.43	6.02
For Work In Restricted Working Space, Add	4.52	
For Installation Above 14', Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0723 EA 3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.89 5.64 2.82 5.64	7.52
26 05 33 13-0724 EA 1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.64 6.77 3.39 6.77	9.02
26 05 33 13-0725 EA 1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.68 7.90 3.95 7.90	10.54
26 05 33 13-0726 EA 1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.68 9.03 4.51 9.03	12.04
26 05 33 13-0727 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.93 10.16 5.08 10.16	13.55
26 05 33 13-0728 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.16 11.29 5.64 11.29	15.05
26 05 33 13-0729 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.62 12.41 6.21 12.41	16.55
26 05 33 13-0730 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.55 14.67 7.34 14.67	19.56
26 05 33 13-0731 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.50 15.80 7.90 15.80	21.06
26 05 33 13-0732 Intermediate Metal Conduit (IMC) Expansion Fittings <small>(26 05 33 13-0667)</small>		
26 05 33 13-0733 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	89.96 9.03 4.52	12.04
26 05 33 13-0734 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	99.71 10.16 5.08	13.55
26 05 33 13-0735 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	110.80 11.29 5.64	15.05
26 05 33 13-0736 EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	132.67 12.41 6.21	16.55
26 05 33 13-0737 EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	160.93 13.54 6.77	18.06
26 05 33 13-0738 EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	208.58 14.67 7.34	19.56
26 05 33 13-0739 EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	311.00 18.06 9.03	24.07
26 05 33 13-0740 EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	374.72 22.57 11.28	30.10
26 05 33 13-0741 EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	518.13 27.08 13.54	36.11
26 05 33 13-0742 EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	597.32 29.34 14.67	39.12
26 05 33 13-0743 Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0667)</small>		
26 05 33 13-0744 EA 1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.65 11.29 5.64 11.29	18.81
26 05 33 13-0745 EA 3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.19 13.54 6.77 13.54	22.57
26 05 33 13-0746 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.44 15.80 7.90 15.80	26.33

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.41 18.06 9.03 18.06	30.10
26 05 33 13-0748 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.28 20.31 10.16 20.31	33.86
26 05 33 13-0749 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.59 22.57 11.28 22.57	37.62
26 05 33 13-0750 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.24 27.08 13.54 27.08	45.14
26 05 33 13-0751 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	261.62 31.60 15.80 31.60	52.67
26 05 33 13-0752 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	571.16 36.11 18.06 36.11	60.19
26 05 33 13-0753 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	657.14 40.63 20.31 40.63	67.71
26 05 33 13-0754 Intermediate Metal Conduit (IMC) Threaded Couplings <small>(26 05 33 13-0667)</small>		
26 05 33 13-0755 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	9.81 2.71 1.35	3.61
26 05 33 13-0756 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	13.74 3.84 1.92	5.11
26 05 33 13-0757 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	17.96 4.96 2.48	6.62
26 05 33 13-0758 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	20.59 5.64 2.82	7.52
26 05 33 13-0759 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	24.80 6.77 3.38	9.02
26 05 33 13-0760 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	28.55 7.68 3.84	10.24
26 05 33 13-0761 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	35.13 8.57 4.29	11.44
26 05 33 13-0762 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	41.29 9.71 4.85	12.94
26 05 33 13-0763 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	47.32 10.61 5.31	14.15
26 05 33 13-0764 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	49.66 11.28 5.64	15.05
26 05 33 13-0765 Intermediate Metal Conduit (IMC) Reducer Bushings <small>(26 05 33 13-0667)</small>		
26 05 33 13-0766 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	4.64 1.13 0.56	1.50
26 05 33 13-0767 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i>	5.14 1.13 0.56	1.50
26 05 33 13-0768 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0041)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0769 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit <small>(26 05 33 13-0768)</small> Note: Includes field bending for conduit up to 1".		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0770 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	9.54	2.11
<i>For >250 To 500, Deduct</i>	-0.35	
<i>For >500 To 1,000, Deduct</i>	-0.58	
<i>For >1,000, Deduct</i>	-0.82	
<i>For Installation Above 14', Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-0771 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	10.98	2.41
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500 To 1,000, Deduct</i>	-0.67	
<i>For >1,000, Deduct</i>	-0.95	
<i>For Installation Above 14', Add</i>	0.90	
<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-0772 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	13.94	3.01
<i>For >250 To 500, Deduct</i>	-0.51	
<i>For >500 To 1,000, Deduct</i>	-0.86	
<i>For >1,000, Deduct</i>	-1.21	
<i>For Installation Above 14', Add</i>	1.13	
<i>For Work In Restricted Working Space, Add</i>	2.26	
26 05 33 13-0773 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	17.16	3.61
<i>For >250 To 500, Deduct</i>	-0.63	
<i>For >500 To 1,000, Deduct</i>	-1.06	
<i>For >1,000, Deduct</i>	-1.49	
<i>For Installation Above 14', Add</i>	1.35	
<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 33 13-0774 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	21.19	4.51
<i>For >250 To 500, Deduct</i>	-0.78	
<i>For >500 To 1,000, Deduct</i>	-1.31	
<i>For >1,000, Deduct</i>	-1.84	
<i>For Installation Above 14', Add</i>	1.69	
<i>For Work In Restricted Working Space, Add</i>	3.39	
26 05 33 13-0775 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	26.45	5.41
<i>For >250 To 500, Deduct</i>	-0.98	
<i>For >500 To 1,000, Deduct</i>	-1.65	
<i>For >1,000, Deduct</i>	-2.31	
<i>For Installation Above 14', Add</i>	2.03	
<i>For Work In Restricted Working Space, Add</i>	4.07	
26 05 33 13-0776 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	35.36	6.32
<i>For >250 To 500, Deduct</i>	-1.37	
<i>For >500 To 1,000, Deduct</i>	-2.26	
<i>For >1,000, Deduct</i>	-3.14	
<i>For Installation Above 14', Add</i>	2.37	
<i>For Work In Restricted Working Space, Add</i>	4.74	
26 05 33 13-0777 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	44.22	7.82
<i>For >250 To 500, Deduct</i>	-1.72	
<i>For >500 To 1,000, Deduct</i>	-2.83	
<i>For >1,000, Deduct</i>	-3.93	
<i>For Installation Above 14', Add</i>	2.93	
<i>For Work In Restricted Working Space, Add</i>	5.87	
26 05 33 13-0778 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	54.24	9.62
<i>For >250 To 500, Deduct</i>	-2.11	
<i>For >500 To 1,000, Deduct</i>	-3.47	
<i>For >1,000, Deduct</i>	-4.82	
<i>For Installation Above 14', Add</i>	3.61	
<i>For Work In Restricted Working Space, Add</i>	7.22	
26 05 33 13-0779 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	64.14	11.44
<i>For >250 To 500, Deduct</i>	-2.49	
<i>For >500 To 1,000, Deduct</i>	-4.10	
<i>For >1,000, Deduct</i>	-5.70	
<i>For Installation Above 14', Add</i>	4.29	
<i>For Work In Restricted Working Space, Add</i>	8.57	
26 05 33 13-0780 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	96.88	13.55
<i>For >250 To 500, Deduct</i>	-4.00	
<i>For >500 To 1,000, Deduct</i>	-6.42	
<i>For >1,000, Deduct</i>	-8.84	
<i>For Installation Above 14', Add</i>	5.08	
<i>For Work In Restricted Working Space, Add</i>	10.16	
26 05 33 13-0781 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	131.51	18.06
<i>For >250 To 500, Deduct</i>	-5.45	
<i>For >500 To 1,000, Deduct</i>	-8.73	
<i>For >1,000, Deduct</i>	-12.02	
<i>For Installation Above 14', Add</i>	6.77	
<i>For Work In Restricted Working Space, Add</i>	13.54	
26 05 33 13-0782 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0788)</small>		
26 05 33 13-0783 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	10.39	2.94
<i>For Installation Above 14', Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-0784 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	12.56	3.91
<i>For Installation Above 14', Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	2.35	
26 05 33 13-0785 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	15.94	4.89
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.94	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0786 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	17.93	5.38
For Installation Above 14', Add	1.61	
For Work In Restricted Working Space, Add	3.23	
26 05 33 13-0787 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	21.24	6.36
For Installation Above 14', Add	1.91	
For Work In Restricted Working Space, Add	3.81	
26 05 33 13-0788 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	27.15	7.34
For Installation Above 14', Add	2.20	
For Work In Restricted Working Space, Add	4.40	
26 05 33 13-0789 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	48.49	8.80
For Installation Above 14', Add	2.64	
For Work In Restricted Working Space, Add	5.28	
26 05 33 13-0790 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	61.95	12.22
For Installation Above 14', Add	3.67	
For Work In Restricted Working Space, Add	7.34	
26 05 33 13-0791 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	76.47	14.18
For Installation Above 14', Add	4.25	
For Work In Restricted Working Space, Add	8.51	
26 05 33 13-0792 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	95.37	19.56
For Installation Above 14', Add	5.87	
For Work In Restricted Working Space, Add	11.74	
26 05 33 13-0793 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	237.11	26.90
For Installation Above 14', Add	8.07	
For Work In Restricted Working Space, Add	16.14	
26 05 33 13-0794 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	235.09	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
26 05 33 13-0795 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows <small>(26 05 33 13-0768)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-0796 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	40.29	12.22
For Installation Above 14', Add	3.67	
For Work In Restricted Working Space, Add	7.34	
26 05 33 13-0797 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	46.77	15.16
For Installation Above 14', Add	4.55	
For Work In Restricted Working Space, Add	9.10	
26 05 33 13-0798 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	56.03	18.58
For Installation Above 14', Add	5.58	
For Work In Restricted Working Space, Add	11.15	
26 05 33 13-0799 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	66.21	21.52
For Installation Above 14', Add	6.45	
For Work In Restricted Working Space, Add	12.91	
26 05 33 13-0800 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	77.38	24.45
For Installation Above 14', Add	7.34	
For Work In Restricted Working Space, Add	14.67	
26 05 33 13-0801 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	93.54	26.90
For Installation Above 14', Add	8.07	
For Work In Restricted Working Space, Add	16.14	
26 05 33 13-0802 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	142.38	33.74
For Installation Above 14', Add	10.12	
For Work In Restricted Working Space, Add	20.24	
26 05 33 13-0803 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	211.62	45.97
For Installation Above 14', Add	13.79	
For Work In Restricted Working Space, Add	27.58	
26 05 33 13-0804 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	260.71	51.83
For Installation Above 14', Add	15.55	
For Work In Restricted Working Space, Add	31.10	
26 05 33 13-0805 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	300.97	67.48
For Installation Above 14', Add	20.25	
For Work In Restricted Working Space, Add	40.49	
26 05 33 13-0806 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	620.10	110.02
For Installation Above 14', Add	33.01	
For Work In Restricted Working Space, Add	66.02	
26 05 33 13-0807 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	973.60	165.29
For Installation Above 14', Add	49.59	
For Work In Restricted Working Space, Add	99.17	
26 05 33 13-0808 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0809 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	93.37	18.58
For Installation Above 14', Add	5.58	
For Work In Restricted Working Space, Add	11.15	
26 05 33 13-0810 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	105.19	21.52
For Installation Above 14', Add	6.45	
For Work In Restricted Working Space, Add	12.91	
26 05 33 13-0811 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	120.06	24.45
For Installation Above 14', Add	7.34	
For Work In Restricted Working Space, Add	14.67	
26 05 33 13-0812 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	142.79	26.90
For Installation Above 14', Add	8.07	
For Work In Restricted Working Space, Add	16.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0813 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	198.12 10.12 20.24	33.74
26 05 33 13-0814 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0815 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	103.47 5.58 11.15	18.58
26 05 33 13-0816 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	121.88 6.45 12.91	21.52
26 05 33 13-0817 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	132.03 7.34 14.67	24.45
26 05 33 13-0818 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	168.88 8.07 16.14	26.90
26 05 33 13-0819 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	223.27 10.12 20.24	33.74
26 05 33 13-0820 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	286.22 13.79 27.58	45.97
26 05 33 13-0821 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0822 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	115.54 5.58 11.15	18.58
26 05 33 13-0823 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	130.57 6.45 12.91	21.52
26 05 33 13-0824 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	147.38 7.34 14.67	24.45
26 05 33 13-0825 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	177.53 8.07 16.14	26.90
26 05 33 13-0826 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	252.18 10.12 20.24	33.74
26 05 33 13-0827 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	320.16 13.79 27.58	45.97
26 05 33 13-0828 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	402.83 15.55 31.10	51.83
26 05 33 13-0829 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	455.81 20.25 40.49	67.48
26 05 33 13-0830 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0831 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	136.40 5.58 11.15	18.58
26 05 33 13-0832 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	150.97 6.45 12.91	21.52
26 05 33 13-0833 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	170.54 7.34 14.67	24.45
26 05 33 13-0834 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.88 8.07 16.14	26.90
26 05 33 13-0835 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	303.91 10.12 20.24	33.74
26 05 33 13-0836 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	377.66 13.79 27.58	45.97
26 05 33 13-0837 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	437.94 15.55 31.10	51.83
26 05 33 13-0838 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow..... <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	520.26 20.25 40.49	67.48

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0839			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0840	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	152.62	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-0841	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	169.95	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-0842	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	193.33	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-0843	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	239.91	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-0844	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	332.14	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-0845	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	423.65	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.58	
26 05 33 13-0846	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	523.30	51.83
			<i>For Installation Above 14', Add</i>	15.55	
			<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-0847	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	579.43	67.48
			<i>For Installation Above 14', Add</i>	20.25	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-0848	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	965.49	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-0849			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0850	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	173.85	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-0851	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	192.90	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-0852	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	218.32	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-0853	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	272.11	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-0854	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	379.18	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-0855	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	482.24	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.58	
26 05 33 13-0856	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	566.07	51.83
			<i>For Installation Above 14', Add</i>	15.55	
			<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-0857	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	655.80	67.48
			<i>For Installation Above 14', Add</i>	20.25	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-0858	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,019.02	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-0859	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,396.56	165.29
			<i>For Installation Above 14', Add</i>	49.59	
			<i>For Work In Restricted Working Space, Add</i>	99.17	
26 05 33 13-0860			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0861	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	203.39	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-0862	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	213.35	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-0863	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	251.77	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-0864	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	316.93	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-0865	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	442.60	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0866 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	561.24 13.79 27.58	45.97
26 05 33 13-0867 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	684.98 15.55 31.10	51.83
26 05 33 13-0868 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	804.39 20.25 40.49	67.48
26 05 33 13-0869 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,193.62 33.01 66.02	110.02
26 05 33 13-0870 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,476.71 49.59 99.17	165.29
26 05 33 13-0871 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-0872 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.51 5.58 11.15	18.58
26 05 33 13-0873 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	247.94 6.45 12.91	21.52
26 05 33 13-0874 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	280.70 7.34 14.67	24.45
26 05 33 13-0875 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	330.42 8.07 16.14	26.90
26 05 33 13-0876 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	458.44 10.12 20.24	33.74
26 05 33 13-0877 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	585.53 13.79 27.58	45.97
26 05 33 13-0878 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	749.74 15.55 31.10	51.83
26 05 33 13-0879 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	838.09 20.25 40.49	67.48
26 05 33 13-0880 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,240.52 33.01 66.02	110.02
26 05 33 13-0881 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,517.43 49.59 99.17	165.29
26 05 33 13-0882 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0883 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.72 3.67 7.34 7.34	12.22
26 05 33 13-0884 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.09 4.84 9.68 9.68	16.14
26 05 33 13-0885 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.88 5.58 11.15 11.15	18.58
26 05 33 13-0886 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.68 6.45 12.91 12.91	21.52
26 05 33 13-0887 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.40 7.34 14.67 14.67	24.45
26 05 33 13-0888 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	291.25 8.07 16.14 16.14	26.90
26 05 33 13-0889 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	794.87 10.12 20.24 20.24	33.74

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0890	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	948.54	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0891	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,260.08	67.48
			<i>For Installation Above 14', Add</i>	20.24	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.49	
26 05 33 13-0892 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings ^(26 05 33 13-0768)					
26 05 33 13-0893	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	74.48	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-0894	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	91.43	16.14
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0895	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	126.88	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.15	
26 05 33 13-0896	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	206.80	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91	
26 05 33 13-0897	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	222.80	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0898	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	291.34	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0899	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	762.47	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-0900	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	924.90	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0901	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	1,260.03	67.48
			<i>For Installation Above 14', Add</i>	20.24	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.49	
26 05 33 13-0902 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings ^(26 05 33 13-0768)					
26 05 33 13-0903	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	67.31	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-0904	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	80.55	16.14
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0905	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	95.07	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.15	
26 05 33 13-0906	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	135.21	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91	
26 05 33 13-0907	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	157.97	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0908	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	244.49	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0909	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting.....	672.25	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0910 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	756.37	45.97
<i>For Installation Above 14', Add</i>	13.79	
<i>For Work In Restricted Working Space, Add</i>	27.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0911 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	965.57	67.48
<i>For Installation Above 14', Add</i>	20.24	
<i>For Work In Restricted Working Space, Add</i>	40.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.49	
26 05 33 13-0912 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0913 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	115.28	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-0914 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	173.83	16.14
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0915 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	218.61	18.58
<i>For Installation Above 14', Add</i>	5.58	
<i>For Work In Restricted Working Space, Add</i>	11.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.15	
26 05 33 13-0916 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	252.33	21.52
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91	
26 05 33 13-0917 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	286.58	24.45
<i>For Installation Above 14', Add</i>	7.34	
<i>For Work In Restricted Working Space, Add</i>	14.67	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0918 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	377.34	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0919 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,189.26	33.74
<i>For Installation Above 14', Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-0920 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,388.38	45.97
<i>For Installation Above 14', Add</i>	13.79	
<i>For Work In Restricted Working Space, Add</i>	27.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0921 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,706.63	67.48
<i>For Installation Above 14', Add</i>	20.24	
<i>For Work In Restricted Working Space, Add</i>	40.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.49	
26 05 33 13-0922 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-0923 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	128.01	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-0924 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	185.85	16.14
<i>For Installation Above 14', Add</i>	4.84	
<i>For Work In Restricted Working Space, Add</i>	9.68	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0925 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	220.90	18.58
<i>For Installation Above 14', Add</i>	5.58	
<i>For Work In Restricted Working Space, Add</i>	11.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.15	
26 05 33 13-0926 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	256.10	21.52
<i>For Installation Above 14', Add</i>	6.45	
<i>For Work In Restricted Working Space, Add</i>	12.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0927	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	296.91	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0928	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	468.19	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0929	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,326.33	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-0930	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,866.95	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0931	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,948.89	67.48
			<i>For Installation Above 14', Add</i>	20.24	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.49	
26 05 33 13-0932 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings <small>(26 05 33 13-0769)</small>					
26 05 33 13-0933	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	101.25	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-0934	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	127.73	16.14
			<i>For Installation Above 14', Add</i>	4.84	
			<i>For Work In Restricted Working Space, Add</i>	9.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.68	
26 05 33 13-0935	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	153.06	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.15	
26 05 33 13-0936	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	169.57	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.91	
26 05 33 13-0937	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	228.49	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.67	
26 05 33 13-0938	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	323.19	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0939	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,075.72	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-0940	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,210.85	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.59	
26 05 33 13-0941	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	1,438.58	67.48
			<i>For Installation Above 14', Add</i>	20.24	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.49	
26 05 33 13-0942 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0769)</small>					
Note: Suitable for use in hazardous locations. Class I, Div 2.					
26 05 33 13-0943	EA		1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	91.31	23.47
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0944 EA 3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.98 8.07 16.14 16.14	26.90
26 05 33 13-0945 EA 1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.44 9.24 18.49 18.49	30.81
26 05 33 13-0946 EA 1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.94 10.71 21.42 21.42	35.70
26 05 33 13-0947 EA 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.92 11.74 23.47 23.47	39.12
26 05 33 13-0948 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.91 14.08 28.17 28.17	46.94
26 05 33 13-0949 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.72 19.81 39.61 39.61	66.02
26 05 33 13-0950 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	573.17 26.41 52.82 52.82	88.02
26 05 33 13-0951 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	797.02 33.01 66.02 66.02	110.02
26 05 33 13-0952 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	914.71 40.20 80.39 80.39	133.99
26 05 33 13-0953 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0768)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0954 EA 1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.29 9.24 18.48 18.48	30.81
26 05 33 13-0955 EA 3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.00 10.27 20.54 20.54	34.23
26 05 33 13-0956 EA 1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.28 11.30 22.59 22.59	37.66
26 05 33 13-0957 EA 1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	223.91 12.91 25.82 25.82	43.03
26 05 33 13-0958 EA 1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.76 14.08 28.17 28.17	46.94
26 05 33 13-0959 EA 2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	360.84 17.31 34.62 34.62	57.70
26 05 33 13-0960 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0768)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-0961 EA 1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.01 8.07 16.14 16.14	26.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0962	EA		3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	119.78	31.30
			<i>For Installation Above 14', Add</i>	9.39	
			<i>For Work In Restricted Working Space, Add</i>	18.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.78	
26 05 33 13-0963	EA		1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	145.08	34.23
			<i>For Installation Above 14', Add</i>	10.27	
			<i>For Work In Restricted Working Space, Add</i>	20.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.54	
26 05 33 13-0964	EA		1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	186.10	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.47	
26 05 33 13-0965	EA		1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	220.77	43.03
			<i>For Installation Above 14', Add</i>	12.91	
			<i>For Work In Restricted Working Space, Add</i>	25.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.82	
26 05 33 13-0966	EA		2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	296.34	50.37
			<i>For Installation Above 14', Add</i>	15.11	
			<i>For Work In Restricted Working Space, Add</i>	30.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.22	
26 05 33 13-0967	EA		2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	477.12	73.35
			<i>For Installation Above 14', Add</i>	22.01	
			<i>For Work In Restricted Working Space, Add</i>	44.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.01	
26 05 33 13-0968	EA		3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	631.62	95.36
			<i>For Installation Above 14', Add</i>	28.61	
			<i>For Work In Restricted Working Space, Add</i>	57.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.21	
26 05 33 13-0969	EA		3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	868.46	117.36
			<i>For Installation Above 14', Add</i>	35.21	
			<i>For Work In Restricted Working Space, Add</i>	70.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.42	
26 05 33 13-0970	EA		4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	970.17	141.33
			<i>For Installation Above 14', Add</i>	42.40	
			<i>For Work In Restricted Working Space, Add</i>	84.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.80	
26 05 33 13-0971			Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined <small>(26 05 33 13-0768)</small>		
26 05 33 13-0972	EA		1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	17.48	2.94
			<i>For Installation Above 14', Add</i>	0.88	
			<i>For Work In Restricted Working Space, Add</i>	1.76	
26 05 33 13-0973	EA		3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	19.67	3.42
			<i>For Installation Above 14', Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 33 13-0974	EA		1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	25.62	4.40
			<i>For Installation Above 14', Add</i>	1.32	
			<i>For Work In Restricted Working Space, Add</i>	2.64	
26 05 33 13-0975	EA		1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	32.82	5.38
			<i>For Installation Above 14', Add</i>	1.61	
			<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-0976	EA		1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	36.90	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-0977	EA		2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	45.42	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-0978	EA		2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	58.20	8.31
			<i>For Installation Above 14', Add</i>	2.49	
			<i>For Work In Restricted Working Space, Add</i>	4.99	
26 05 33 13-0979	EA		3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	65.05	11.74
			<i>For Installation Above 14', Add</i>	3.52	
			<i>For Work In Restricted Working Space, Add</i>	7.04	
26 05 33 13-0980	EA		3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	78.54	13.20
			<i>For Installation Above 14', Add</i>	3.96	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
26 05 33 13-0981	EA		4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	85.39	16.62
			<i>For Installation Above 14', Add</i>	4.99	
			<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-0982			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-0983	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	103.23	23.47
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0984 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	114.33	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0985 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	133.53	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-0986 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	158.49	35.70
<i>For Installation Above 14', Add</i>	10.71	
<i>For Work In Restricted Working Space, Add</i>	21.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-0987 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	197.30	39.12
<i>For Installation Above 14', Add</i>	11.74	
<i>For Work In Restricted Working Space, Add</i>	23.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.47	
26 05 33 13-0988 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	239.11	46.94
<i>For Installation Above 14', Add</i>	14.08	
<i>For Work In Restricted Working Space, Add</i>	28.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 05 33 13-0989 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	346.27	66.02
<i>For Installation Above 14', Add</i>	19.80	
<i>For Work In Restricted Working Space, Add</i>	39.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.61	
26 05 33 13-0990 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	444.00	88.02
<i>For Installation Above 14', Add</i>	26.41	
<i>For Work In Restricted Working Space, Add</i>	52.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.82	
26 05 33 13-0991 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	888.49	110.02
<i>For Installation Above 14', Add</i>	33.01	
<i>For Work In Restricted Working Space, Add</i>	66.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.02	
26 05 33 13-0992 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,301.23	133.99
<i>For Installation Above 14', Add</i>	40.20	
<i>For Work In Restricted Working Space, Add</i>	80.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.39	
26 05 33 13-0993 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-0994 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	176.50	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 05 33 13-0995 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	190.08	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-0996 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	217.06	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-0997 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	242.97	35.70
<i>For Installation Above 14', Add</i>	10.71	
<i>For Work In Restricted Working Space, Add</i>	21.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-0998 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	294.55	39.12
<i>For Installation Above 14', Add</i>	11.74	
<i>For Work In Restricted Working Space, Add</i>	23.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.47	
26 05 33 13-0999 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	331.62	46.94
<i>For Installation Above 14', Add</i>	14.08	
<i>For Work In Restricted Working Space, Add</i>	28.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 05 33 13-1000 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	466.56	66.02
<i>For Installation Above 14', Add</i>	19.80	
<i>For Work In Restricted Working Space, Add</i>	39.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.61	
26 05 33 13-1001 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	650.00	88.02
<i>For Installation Above 14', Add</i>	26.41	
<i>For Work In Restricted Working Space, Add</i>	52.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.82	
26 05 33 13-1002 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	948.31	110.02
<i>For Installation Above 14', Add</i>	33.01	
<i>For Work In Restricted Working Space, Add</i>	66.02	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1003	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	1,379.51	133.99
			<i>For Installation Above 14', Add</i>	40.20	
			<i>For Work In Restricted Working Space, Add</i>	80.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.39	
26 05 33 13-1004			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-1005	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	141.23	23.47
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 05 33 13-1006	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	150.58	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-1007	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	173.01	30.81
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-1008	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	193.01	35.70
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	21.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-1009	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	265.46	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.47	
26 05 33 13-1010	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	333.38	46.94
			<i>For Installation Above 14', Add</i>	14.08	
			<i>For Work In Restricted Working Space, Add</i>	28.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 05 33 13-1011	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	517.71	66.02
			<i>For Installation Above 14', Add</i>	19.80	
			<i>For Work In Restricted Working Space, Add</i>	39.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.61	
26 05 33 13-1012	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	754.07	88.02
			<i>For Installation Above 14', Add</i>	26.41	
			<i>For Work In Restricted Working Space, Add</i>	52.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.82	
26 05 33 13-1013	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body.....	948.31	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.02	
26 05 33 13-1014			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies <small>(26 05 33 13-0768)</small>		
26 05 33 13-1015	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	186.85	23.47
			<i>For Installation Above 14', Add</i>	7.04	
			<i>For Work In Restricted Working Space, Add</i>	14.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 05 33 13-1016	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	207.35	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-1017	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	257.02	30.81
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-1018	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	316.86	35.70
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	21.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	
26 05 33 13-1019	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	440.44	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.47	
26 05 33 13-1020	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	527.86	46.94
			<i>For Installation Above 14', Add</i>	14.08	
			<i>For Work In Restricted Working Space, Add</i>	28.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.17	
26 05 33 13-1021			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings <small>(26 05 33 13-0768)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1022 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	35.95	9.40
<i>For Installation Above 14', Add</i>	2.82	
<i>For Work In Restricted Working Space, Add</i>	5.64	
26 05 33 13-1023 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	47.69	11.29
<i>For Installation Above 14', Add</i>	3.39	
<i>For Work In Restricted Working Space, Add</i>	6.77	
26 05 33 13-1024 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	60.60	15.05
<i>For Installation Above 14', Add</i>	4.52	
<i>For Work In Restricted Working Space, Add</i>	9.03	
26 05 33 13-1025 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	83.39	18.81
<i>For Installation Above 14', Add</i>	5.64	
<i>For Work In Restricted Working Space, Add</i>	11.29	
26 05 33 13-1026 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	109.44	22.57
<i>For Installation Above 14', Add</i>	6.77	
<i>For Work In Restricted Working Space, Add</i>	13.54	
26 05 33 13-1027 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	188.63	26.33
<i>For Installation Above 14', Add</i>	7.90	
<i>For Work In Restricted Working Space, Add</i>	15.80	
26 05 33 13-1028 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	274.25	30.10
<i>For Installation Above 14', Add</i>	9.03	
<i>For Work In Restricted Working Space, Add</i>	18.06	
26 05 33 13-1029 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	342.21	33.86
<i>For Installation Above 14', Add</i>	10.16	
<i>For Work In Restricted Working Space, Add</i>	20.31	
26 05 33 13-1030 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	476.47	39.50
<i>For Installation Above 14', Add</i>	11.85	
<i>For Work In Restricted Working Space, Add</i>	23.70	
26 05 33 13-1031 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	578.57	45.14
<i>For Installation Above 14', Add</i>	13.54	
<i>For Work In Restricted Working Space, Add</i>	27.08	
26 05 33 13-1032 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	926.02	71.47
<i>For Installation Above 14', Add</i>	21.44	
<i>For Work In Restricted Working Space, Add</i>	42.88	
26 05 33 13-1033 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,265.65	109.09
<i>For Installation Above 14', Add</i>	32.73	
<i>For Work In Restricted Working Space, Add</i>	65.45	
26 05 33 13-1034 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1035 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	133.18	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1036 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	157.48	25.92
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.55	
26 05 33 13-1037 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	173.74	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1038 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	249.81	35.70
<i>For Installation Above 14', Add</i>	10.71	
<i>For Work In Restricted Working Space, Add</i>	21.42	
26 05 33 13-1039 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	329.66	39.12
<i>For Installation Above 14', Add</i>	11.74	
<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1040 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	355.75	46.94
<i>For Installation Above 14', Add</i>	14.08	
<i>For Work In Restricted Working Space, Add</i>	28.17	
26 05 33 13-1041 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	841.03	65.04
<i>For Installation Above 14', Add</i>	19.51	
<i>For Work In Restricted Working Space, Add</i>	39.02	
26 05 33 13-1042 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	887.17	88.02
<i>For Installation Above 14', Add</i>	26.41	
<i>For Work In Restricted Working Space, Add</i>	52.82	
26 05 33 13-1043 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,451.83	110.02
<i>For Installation Above 14', Add</i>	33.01	
<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-1044 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,511.71	133.99
<i>For Installation Above 14', Add</i>	40.20	
<i>For Work In Restricted Working Space, Add</i>	80.40	
26 05 33 13-1045 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1046 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	194.56	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1047 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	221.64	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1048	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	437.78	30.81
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1049	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	459.17	35.70
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	21.42	
26 05 33 13-1050	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	627.89	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1051	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	669.61	46.94
			<i>For Installation Above 14', Add</i>	14.08	
			<i>For Work In Restricted Working Space, Add</i>	28.17	
26 05 33 13-1052	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,288.05	66.02
			<i>For Installation Above 14', Add</i>	19.80	
			<i>For Work In Restricted Working Space, Add</i>	39.61	
26 05 33 13-1053	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,354.92	88.02
			<i>For Installation Above 14', Add</i>	26.41	
			<i>For Work In Restricted Working Space, Add</i>	52.82	
26 05 33 13-1054	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,985.39	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-1055	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,247.90	133.99
			<i>For Installation Above 14', Add</i>	40.20	
			<i>For Work In Restricted Working Space, Add</i>	80.39	
26 05 33 13-1056			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1057	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	74.56	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1058	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	86.74	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1059	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	103.32	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1060	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	121.97	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1061			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1062	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	58.57	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1063	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	67.55	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1064	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	93.97	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1065	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	122.04	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1066	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	148.82	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1067	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	214.45	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1068	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	293.23	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1069				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1070	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	74.59	12.22
				<i>For Installation Above 14', Add</i>	3.67	
				<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1071	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	88.95	15.16
				<i>For Installation Above 14', Add</i>	4.55	
				<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1072	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	103.34	18.58
				<i>For Installation Above 14', Add</i>	5.58	
				<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1073	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	122.01	21.52
				<i>For Installation Above 14', Add</i>	6.45	
				<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1074				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1075	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	58.62	12.22
				<i>For Installation Above 14', Add</i>	3.67	
				<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1076	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	67.55	15.16
				<i>For Installation Above 14', Add</i>	4.55	
				<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1077	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	87.35	18.58
				<i>For Installation Above 14', Add</i>	5.58	
				<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1078	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	109.18	21.52
				<i>For Installation Above 14', Add</i>	6.45	
				<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1079	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	127.88	24.45
				<i>For Installation Above 14', Add</i>	7.34	
				<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1080	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	147.36	26.90
				<i>For Installation Above 14', Add</i>	8.07	
				<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1081	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	276.12	33.74
				<i>For Installation Above 14', Add</i>	10.12	
				<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1082	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	316.08	45.97
				<i>For Installation Above 14', Add</i>	13.79	
				<i>For Work In Restricted Working Space, Add</i>	27.58	
26 05 33 13-1083	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	340.89	51.83
				<i>For Installation Above 14', Add</i>	15.55	
				<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-1084	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	420.38	67.48
				<i>For Installation Above 14', Add</i>	20.25	
				<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-1085				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0768)</small>		
26 05 33 13-1086	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	122.82	23.47
				<i>For Installation Above 14', Add</i>	7.04	
				<i>For Work In Restricted Working Space, Add</i>	14.08	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.08	
26 05 33 13-1087	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	132.66	26.90
				<i>For Installation Above 14', Add</i>	8.07	
				<i>For Work In Restricted Working Space, Add</i>	16.14	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.14	
26 05 33 13-1088	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	145.15	30.81
				<i>For Installation Above 14', Add</i>	9.24	
				<i>For Work In Restricted Working Space, Add</i>	18.49	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-1089	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	195.24	35.70
				<i>For Installation Above 14', Add</i>	10.71	
				<i>For Work In Restricted Working Space, Add</i>	21.42	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.42	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.76 11.74 23.47 23.47	39.12
26 05 33 13-1091 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0768)</small>		
26 05 33 13-1092 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	148.16 7.04 14.08	23.47
26 05 33 13-1093 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	159.55 8.07 16.14	26.90
26 05 33 13-1094 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	186.53 9.24 18.49	30.81
26 05 33 13-1095 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	267.06 10.71 21.42	35.70
26 05 33 13-1096 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	434.87 11.74 23.47	39.12
26 05 33 13-1097 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	469.63 14.08 28.17	46.94
26 05 33 13-1098 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0768)</small>		
26 05 33 13-1099 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	162.54 7.04 14.08	23.47
26 05 33 13-1100 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	183.53 8.07 16.14	26.90
26 05 33 13-1101 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	200.22 9.24 18.49	30.81
26 05 33 13-1102 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	280.97 10.71 21.42	35.70
26 05 33 13-1103 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	468.03 11.74 23.47	39.12
26 05 33 13-1104 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	500.07 14.08 28.17	46.94
26 05 33 13-1105 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0768)</small>		
26 05 33 13-1106 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	162.65 7.04 14.08	23.47
26 05 33 13-1107 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	179.29 8.07 16.14	26.90
26 05 33 13-1108 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	213.42 9.24 18.49	30.81
26 05 33 13-1109 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	291.56 10.71 21.42	35.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1110 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	483.84	39.12
<i>For Installation Above 14', Add</i>	11.74	
<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1111 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	519.56	46.94
<i>For Installation Above 14', Add</i>	14.08	
<i>For Work In Restricted Working Space, Add</i>	28.17	
26 05 33 13-1112 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover <small>(26 05 33 13-0768)</small>		
26 05 33 13-1113 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	202.46	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1114 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	223.54	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1115 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	242.20	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1116 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	613.28	35.70
<i>For Installation Above 14', Add</i>	10.71	
<i>For Work In Restricted Working Space, Add</i>	21.42	
26 05 33 13-1117 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes <small>(26 05 33 13-0768)</small>		
Note: Excludes cover.		
26 05 33 13-1118 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	96.32	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1119 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	105.84	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1120 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	118.13	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1121 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	107.11	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1122 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	115.28	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1123 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	131.25	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1124 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes <small>(26 05 33 13-0768)</small>		
Note: Excludes cover.		
26 05 33 13-1125 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	101.42	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1126 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	111.58	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1127 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	122.10	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1128 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	114.41	23.47
<i>For Installation Above 14', Add</i>	7.04	
<i>For Work In Restricted Working Space, Add</i>	14.08	
26 05 33 13-1129 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	124.70	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1130 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	140.94	30.81
<i>For Installation Above 14', Add</i>	9.24	
<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1131 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers <small>(26 05 33 13-0768)</small>		
26 05 33 13-1132 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	36.42	2.94
<i>For Installation Above 14', Add</i>	0.88	
<i>For Work In Restricted Working Space, Add</i>	1.76	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1133	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	49.59	3.42
			<i>For Installation Above 14', Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 33 13-1134	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	46.79	3.42
			<i>For Installation Above 14', Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 33 13-1135	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	41.55	3.42
			<i>For Installation Above 14', Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	2.06	
26 05 33 13-1136	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	203.71	4.89
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 33 13-1137	EA		Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	181.02	4.89
			<i>For Installation Above 14', Add</i>	1.47	
			<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 33 13-1138 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel					
(RGS) Mogul Conduit Bodies <small>(26 05 33 13-0768)</small>					
Note: Includes covers.					
26 05 33 13-1139	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body.....	210.50	30.81
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1140	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	236.33	35.70
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	21.42	
26 05 33 13-1141	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	327.24	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1142	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	389.91	46.94
			<i>For Installation Above 14', Add</i>	14.08	
			<i>For Work In Restricted Working Space, Add</i>	28.17	
26 05 33 13-1143	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	563.44	66.02
			<i>For Installation Above 14', Add</i>	19.80	
			<i>For Work In Restricted Working Space, Add</i>	39.61	
26 05 33 13-1144	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	710.53	88.02
			<i>For Installation Above 14', Add</i>	26.41	
			<i>For Work In Restricted Working Space, Add</i>	52.82	
26 05 33 13-1145	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,043.22	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-1146	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,294.66	133.99
			<i>For Installation Above 14', Add</i>	40.20	
			<i>For Work In Restricted Working Space, Add</i>	80.39	
26 05 33 13-1147	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	210.50	30.81
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1148	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	236.33	35.70
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	21.42	
26 05 33 13-1149	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	326.33	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1150	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	380.67	46.94
			<i>For Installation Above 14', Add</i>	14.08	
			<i>For Work In Restricted Working Space, Add</i>	28.17	
26 05 33 13-1151	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	571.95	66.02
			<i>For Installation Above 14', Add</i>	19.80	
			<i>For Work In Restricted Working Space, Add</i>	39.61	
26 05 33 13-1152	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	748.69	88.02
			<i>For Installation Above 14', Add</i>	26.41	
			<i>For Work In Restricted Working Space, Add</i>	52.82	
26 05 33 13-1153	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,089.29	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-1154	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,323.35	133.99
			<i>For Installation Above 14', Add</i>	40.20	
			<i>For Work In Restricted Working Space, Add</i>	80.39	
26 05 33 13-1155	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	210.50	30.81
			<i>For Installation Above 14', Add</i>	9.24	
			<i>For Work In Restricted Working Space, Add</i>	18.49	
26 05 33 13-1156	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	236.33	35.70
			<i>For Installation Above 14', Add</i>	10.71	
			<i>For Work In Restricted Working Space, Add</i>	21.42	
26 05 33 13-1157	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	326.33	39.12
			<i>For Installation Above 14', Add</i>	11.74	
			<i>For Work In Restricted Working Space, Add</i>	23.47	
26 05 33 13-1158	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body.....	380.67	46.94
			<i>For Installation Above 14', Add</i>	14.08	
			<i>For Work In Restricted Working Space, Add</i>	28.17	
26 05 33 13-1159	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	571.95	66.02
			<i>For Installation Above 14', Add</i>	19.80	
			<i>For Work In Restricted Working Space, Add</i>	39.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1160 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	748.69 26.41 52.82	88.02
26 05 33 13-1161 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,089.29 33.01 66.02	110.02
26 05 33 13-1162 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,323.35 40.20 80.39	133.99
26 05 33 13-1163 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	210.50 9.24 18.49	30.81
26 05 33 13-1164 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	236.33 10.71 21.42	35.70
26 05 33 13-1165 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	327.24 11.74 23.47	39.12
26 05 33 13-1166 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	385.64 14.08 28.17	46.94
26 05 33 13-1167 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	563.44 19.80 39.61	66.02
26 05 33 13-1168 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	710.53 26.41 52.82	88.02
26 05 33 13-1169 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,043.22 33.01 66.02	110.02
26 05 33 13-1170 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,306.61 40.20 80.39	133.99
26 05 33 13-1171 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers <small>(26 05 33 13-0768)</small>		
26 05 33 13-1172 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	105.80 1.32 2.64	4.40
26 05 33 13-1173 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	106.79 1.47 2.94	4.89
26 05 33 13-1174 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	150.96 2.06 4.11	6.85
26 05 33 13-1175 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	152.91 2.35 4.70	7.82
26 05 33 13-1176 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	267.65 2.79 5.57	9.29
26 05 33 13-1177 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	272.54 3.52 7.04	11.74
26 05 33 13-1178 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	410.97 3.96 7.92	13.20
26 05 33 13-1179 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	418.79 5.13 10.27	17.11
26 05 33 13-1180 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings <small>(26 05 33 13-0768)</small>		
26 05 33 13-1181 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	181.71 3.67 7.34	12.22
26 05 33 13-1182 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	214.61 4.55 9.10	15.16
26 05 33 13-1183 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	253.97 5.58 11.15	18.58
26 05 33 13-1184 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	313.01 6.45 12.91	21.52
26 05 33 13-1185 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i>	418.90 7.34 14.67	24.45

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1186	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	580.72	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1187	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	829.85	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1188	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,031.45	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.58	
26 05 33 13-1189	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,448.51	51.83
			<i>For Installation Above 14', Add</i>	15.55	
			<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-1190	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,668.64	67.48
			<i>For Installation Above 14', Add</i>	20.25	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-1191 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper (26 05 33 13-0768)					
26 05 33 13-1192	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	289.44	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1193	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	300.30	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1194	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	337.12	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1195	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	408.03	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1196	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	494.76	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1197	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	632.94	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1198	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	935.06	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1199	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,172.04	45.97
			<i>For Installation Above 14', Add</i>	13.79	
			<i>For Work In Restricted Working Space, Add</i>	27.58	
26 05 33 13-1200	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,493.89	51.83
			<i>For Installation Above 14', Add</i>	15.55	
			<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-1201	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper.....	1,869.65	67.48
			<i>For Installation Above 14', Add</i>	20.25	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-1202 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0768)					
26 05 33 13-1203	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	59.85	5.87
			<i>For Installation Above 14', Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1204	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	64.81	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1205	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	71.25	8.80
			<i>For Installation Above 14', Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1206	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	80.54	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1207	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	108.51	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.70 4.11 8.21 8.21	13.70
26 05 33 13-1209 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.17 5.13 10.27 10.27	17.11
26 05 33 13-1210 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.21 6.90 13.79 13.79	22.98
26 05 33 13-1211 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.20 7.77 15.55 15.55	25.92
26 05 33 13-1212 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	398.86 10.12 20.24 20.24	33.74
26 05 33 13-1213 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	494.92 16.43 32.86 32.86	54.77
26 05 33 13-1214 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	746.42 24.79 49.59 49.59	82.64
 26 05 33 13-1215 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0768)</small>		
26 05 33 13-1216 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.46 1.76 3.52 3.52	5.87
26 05 33 13-1217 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.64 2.20 4.40 4.40	7.34
26 05 33 13-1218 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.75 2.64 5.28 5.28	8.80
26 05 33 13-1219 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.27 3.23 6.46 6.46	10.76
26 05 33 13-1220 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	125.85 3.67 7.34 7.34	12.22
26 05 33 13-1221 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.36 4.11 8.21 8.21	13.70
26 05 33 13-1222 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.28 5.13 10.27 10.27	17.11
26 05 33 13-1223 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.90 6.90 13.79 13.79	22.98
26 05 33 13-1224 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.73 7.77 15.55 15.55	25.92
26 05 33 13-1225 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	415.16 10.12 20.24 20.24	33.74
26 05 33 13-1226 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	645.67 16.43 32.86 32.86	54.77
26 05 33 13-1227 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub <i>For Installation Above 14', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,057.07 24.79 49.59 49.59	82.64
 26 05 33 13-1228 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs <small>(26 05 33 13-0768)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1229	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub.....	97.26	5.87
			<i>For Installation Above 14', Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1230	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub.....	102.10	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1231	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	109.50	8.80
			<i>For Installation Above 14', Add</i>	2.64	
			<i>For Work In Restricted Working Space, Add</i>	5.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.28	
26 05 33 13-1232	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	137.76	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1233	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	150.59	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1234	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	159.43	13.70
			<i>For Installation Above 14', Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1235 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions <small>(26 05 33 13-0768)</small>					
26 05 33 13-1236	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	71.67	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1237	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	78.40	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1238	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	101.62	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1239	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	146.76	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1240	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	174.01	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
26 05 33 13-1241	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	220.52	26.90
			<i>For Installation Above 14', Add</i>	8.07	
			<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1242	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	293.21	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1243	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	378.68	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1244	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	489.69	51.83
			<i>For Installation Above 14', Add</i>	15.55	
			<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-1245	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	630.63	67.48
			<i>For Installation Above 14', Add</i>	20.25	
			<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-1246	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,146.51	110.02
			<i>For Installation Above 14', Add</i>	33.01	
			<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-1247	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,433.97	165.29
			<i>For Installation Above 14', Add</i>	49.59	
			<i>For Work In Restricted Working Space, Add</i>	99.17	
26 05 33 13-1248 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0768)</small>					
26 05 33 13-1249	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	73.26	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1250	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	84.47	15.16
			<i>For Installation Above 14', Add</i>	4.55	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
26 05 33 13-1251	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	104.86	18.58
			<i>For Installation Above 14', Add</i>	5.58	
			<i>For Work In Restricted Working Space, Add</i>	11.15	
26 05 33 13-1252	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	152.70	21.52
			<i>For Installation Above 14', Add</i>	6.45	
			<i>For Work In Restricted Working Space, Add</i>	12.91	
26 05 33 13-1253	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	182.26	24.45
			<i>For Installation Above 14', Add</i>	7.34	
			<i>For Work In Restricted Working Space, Add</i>	14.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1254 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	238.34	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1255 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	331.34	33.74
<i>For Installation Above 14', Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1256 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	417.45	33.74
<i>For Installation Above 14', Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
26 05 33 13-1257 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	559.78	51.83
<i>For Installation Above 14', Add</i>	15.55	
<i>For Work In Restricted Working Space, Add</i>	31.10	
26 05 33 13-1258 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	700.46	67.48
<i>For Installation Above 14', Add</i>	20.25	
<i>For Work In Restricted Working Space, Add</i>	40.49	
26 05 33 13-1259 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,274.51	110.02
<i>For Installation Above 14', Add</i>	33.01	
<i>For Work In Restricted Working Space, Add</i>	66.02	
26 05 33 13-1260 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,640.66	165.29
<i>For Installation Above 14', Add</i>	49.59	
<i>For Work In Restricted Working Space, Add</i>	99.17	
26 05 33 13-1261 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings <small>(26 05 33 13-0768)</small>		
26 05 33 13-1262 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	39.76	3.91
<i>For Installation Above 14', Add</i>	1.17	
<i>For Work In Restricted Working Space, Add</i>	2.35	
26 05 33 13-1263 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	43.65	4.89
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 33 13-1264 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	49.62	4.89
<i>For Installation Above 14', Add</i>	1.47	
<i>For Work In Restricted Working Space, Add</i>	2.94	
26 05 33 13-1265 EA 1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	61.29	5.38
<i>For Installation Above 14', Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1266 EA 1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	64.73	5.38
<i>For Installation Above 14', Add</i>	1.61	
<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1267 EA 1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	55.65	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1268 EA 1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	63.33	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1269 EA 1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	97.89	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
26 05 33 13-1270 EA 2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	108.83	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1271 EA 2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	105.85	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1272 EA 2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	111.39	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1273 EA 2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	125.33	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
26 05 33 13-1274 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	124.52	8.80
<i>For Installation Above 14', Add</i>	2.64	
<i>For Work In Restricted Working Space, Add</i>	5.28	
26 05 33 13-1275 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	158.80	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
26 05 33 13-1276 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	233.71	14.18
<i>For Installation Above 14', Add</i>	4.25	
<i>For Work In Restricted Working Space, Add</i>	8.51	
26 05 33 13-1277 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	312.71	19.56
<i>For Installation Above 14', Add</i>	5.87	
<i>For Work In Restricted Working Space, Add</i>	11.74	
26 05 33 13-1278 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	391.12	26.90
<i>For Installation Above 14', Add</i>	8.07	
<i>For Work In Restricted Working Space, Add</i>	16.14	
26 05 33 13-1279 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples <small>(26 05 33 13-0768)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1280	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	25.13	5.87
			<i>For Installation Above 14', Add</i>	1.76	
			<i>For Work In Restricted Working Space, Add</i>	3.52	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.52	
26 05 33 13-1281	EA		3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	28.32	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1282	EA		1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.98	9.29
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1283	EA		1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.23	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1284	EA		1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.74	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1285	EA		1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	27.82	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1286	EA		3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.15	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1287	EA		1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	34.83	9.29
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1288	EA		1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.19	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1289	EA		1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.85	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1290	EA		2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.69	13.70
			<i>For Installation Above 14', Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1291	EA		1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	27.95	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1292	EA		3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.27	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1293	EA		1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	35.06	9.29
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1294	EA		1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.44	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1295	EA		1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.10	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1296	EA		2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.35	13.70
			<i>For Installation Above 14', Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1297	EA		1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	29.69	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1298	EA		3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.01	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1299	EA		1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.93	9.29
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1300	EA		1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.50	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1301 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.27	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1302 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.40	13.70
<i>For Installation Above 14', Add</i>	4.11	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1303 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	71.37	16.62
<i>For Installation Above 14', Add</i>	4.99	
<i>For Work In Restricted Working Space, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-1304 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	92.62	22.98
<i>For Installation Above 14', Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	13.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1305 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	29.81	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1306 EA 3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.25	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1307 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.19	9.29
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1308 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	43.56	10.76
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1309 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.45	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1310 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.45	13.70
<i>For Installation Above 14', Add</i>	4.11	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1311 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	73.19	16.62
<i>For Installation Above 14', Add</i>	4.99	
<i>For Work In Restricted Working Space, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-1312 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.52	22.98
<i>For Installation Above 14', Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	13.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1313 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	114.87	25.92
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 05 33 13-1314 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.92	33.74
<i>For Installation Above 14', Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-1315 EA 1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	30.05	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1316 EA 3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.51	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1317 EA 1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.46	9.29
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1318 EA 1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.06	10.76
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1319 EA 1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.96	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1320 EA 2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.57	13.70
<i>For Installation Above 14', Add</i>	4.11	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1321 EA 2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	80.39	16.62
<i>For Installation Above 14', Add</i>	4.99	
<i>For Work In Restricted Working Space, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1322	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	102.35	22.98
			<i>For Installation Above 14', Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1323	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	116.12	25.92
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 05 33 13-1324	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	138.25	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-1325	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	203.00	46.46
			<i>For Installation Above 14', Add</i>	13.94	
			<i>For Work In Restricted Working Space, Add</i>	27.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.87	
26 05 33 13-1326	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	30.51	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1327	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	32.96	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1328	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.95	9.29
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1329	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.97	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1330	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.06	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1331	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.68	13.70
			<i>For Installation Above 14', Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1332	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	87.71	16.62
			<i>For Installation Above 14', Add</i>	4.99	
			<i>For Work In Restricted Working Space, Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-1333	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	110.11	22.98
			<i>For Installation Above 14', Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1334	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	123.10	25.92
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 05 33 13-1335	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	150.03	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-1336	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	220.62	46.46
			<i>For Installation Above 14', Add</i>	13.94	
			<i>For Work In Restricted Working Space, Add</i>	27.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.87	
26 05 33 13-1337	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	31.22	6.36
			<i>For Installation Above 14', Add</i>	1.91	
			<i>For Work In Restricted Working Space, Add</i>	3.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1338	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.66	7.34
			<i>For Installation Above 14', Add</i>	2.20	
			<i>For Work In Restricted Working Space, Add</i>	4.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1339	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.05	9.29
			<i>For Installation Above 14', Add</i>	2.79	
			<i>For Work In Restricted Working Space, Add</i>	5.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1340	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.21	10.76
			<i>For Installation Above 14', Add</i>	3.23	
			<i>For Work In Restricted Working Space, Add</i>	6.46	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1341	EA		1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.29	12.22
			<i>For Installation Above 14', Add</i>	3.67	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1342	EA		2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	61.13	13.70
			<i>For Installation Above 14', Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1343 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	96.71	16.62
<i>For Installation Above 14', Add</i>	4.99	
<i>For Work In Restricted Working Space, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-1344 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	120.72	22.98
<i>For Installation Above 14', Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	13.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1345 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	140.59	25.92
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 05 33 13-1346 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	167.72	33.74
<i>For Installation Above 14', Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-1347 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	232.70	46.46
<i>For Installation Above 14', Add</i>	13.94	
<i>For Work In Restricted Working Space, Add</i>	27.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.87	
26 05 33 13-1348 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	31.97	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1349 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.39	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1350 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.13	9.29
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1351 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	48.50	10.76
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1352 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	56.59	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	
26 05 33 13-1353 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	69.15	13.70
<i>For Installation Above 14', Add</i>	4.11	
<i>For Work In Restricted Working Space, Add</i>	8.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1354 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	106.23	16.62
<i>For Installation Above 14', Add</i>	4.99	
<i>For Work In Restricted Working Space, Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-1355 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	134.31	22.98
<i>For Installation Above 14', Add</i>	6.90	
<i>For Work In Restricted Working Space, Add</i>	13.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1356 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	158.96	25.92
<i>For Installation Above 14', Add</i>	7.77	
<i>For Work In Restricted Working Space, Add</i>	15.55	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 05 33 13-1357 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	198.68	33.74
<i>For Installation Above 14', Add</i>	10.12	
<i>For Work In Restricted Working Space, Add</i>	20.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-1358 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	256.79	46.46
<i>For Installation Above 14', Add</i>	13.94	
<i>For Work In Restricted Working Space, Add</i>	27.87	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.87	
26 05 33 13-1359 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	32.74	6.36
<i>For Installation Above 14', Add</i>	1.91	
<i>For Work In Restricted Working Space, Add</i>	3.81	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.81	
26 05 33 13-1360 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	35.25	7.34
<i>For Installation Above 14', Add</i>	2.20	
<i>For Work In Restricted Working Space, Add</i>	4.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.40	
26 05 33 13-1361 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.87	9.29
<i>For Installation Above 14', Add</i>	2.79	
<i>For Work In Restricted Working Space, Add</i>	5.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.57	
26 05 33 13-1362 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.92	10.76
<i>For Installation Above 14', Add</i>	3.23	
<i>For Work In Restricted Working Space, Add</i>	6.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.46	
26 05 33 13-1363 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	63.01	12.22
<i>For Installation Above 14', Add</i>	3.67	
<i>For Work In Restricted Working Space, Add</i>	7.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.34	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1364	EA		2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	75.58	13.70
			<i>For Installation Above 14', Add</i>	4.11	
			<i>For Work In Restricted Working Space, Add</i>	8.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
26 05 33 13-1365	EA		2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	118.92	16.62
			<i>For Installation Above 14', Add</i>	4.99	
			<i>For Work In Restricted Working Space, Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.98	
26 05 33 13-1366	EA		3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	154.69	22.98
			<i>For Installation Above 14', Add</i>	6.90	
			<i>For Work In Restricted Working Space, Add</i>	13.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.79	
26 05 33 13-1367	EA		3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	170.23	25.92
			<i>For Installation Above 14', Add</i>	7.77	
			<i>For Work In Restricted Working Space, Add</i>	15.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.55	
26 05 33 13-1368	EA		4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	208.17	33.74
			<i>For Installation Above 14', Add</i>	10.12	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.24	
26 05 33 13-1369	EA		5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	260.23	46.46
			<i>For Installation Above 14', Add</i>	13.94	
			<i>For Work In Restricted Working Space, Add</i>	27.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.87	
26 05 33 13-1370			Aluminum Conduit <small>(26 05 33 13-0041)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1371			Aluminum Conduit With Threaded Coupling <small>(26 05 33 13-1370)</small>		
			Note: Includes field bend conduit up to 1".		
26 05 33 13-1372	LF		1/2" Aluminum Conduit With Threaded Coupling.....	4.79	1.50
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33 13-1373	LF		3/4" Aluminum Conduit With Threaded Coupling.....	5.52	1.65
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-1374	LF		1" Aluminum Conduit With Threaded Coupling.....	6.47	1.80
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-1375	LF		1-1/4" Aluminum Conduit With Threaded Coupling.....	7.46	1.96
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.73	
			<i>For Work In Restricted Working Space, Add</i>	1.47	
26 05 33 13-1376	LF		1-1/2" Aluminum Conduit With Threaded Coupling.....	8.45	2.11
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	1.58	
26 05 33 13-1377	LF		2" Aluminum Conduit With Threaded Coupling.....	10.29	2.41
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-1378	LF		2-1/2" Aluminum Conduit With Threaded Coupling.....	14.26	3.01
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.13	
			<i>For Work In Restricted Working Space, Add</i>	2.26	
26 05 33 13-1379	LF		3" Aluminum Conduit With Threaded Coupling.....	17.88	3.61
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.35	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 33 13-1380	LF		3-1/2" Aluminum Conduit With Threaded Coupling.....	21.92	4.51
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	3.39	
26 05 33 13-1381	LF		4" Aluminum Conduit With Threaded Coupling.....	26.89	5.71
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.15	
			<i>For Work In Restricted Working Space, Add</i>	4.29	
26 05 33 13-1382	LF		5" Aluminum Conduit With Threaded Coupling.....	36.08	7.22
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.71	
			<i>For Work In Restricted Working Space, Add</i>	5.42	
26 05 33 13-1383	LF		6" Aluminum Conduit With Threaded Coupling.....	46.29	9.02
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.39	
			<i>For Work In Restricted Working Space, Add</i>	6.77	
26 05 33 13-1384			Aluminum 90 Degree Elbows <small>(26 05 33 13-1370)</small>		
26 05 33 13-1385	EA		1" Aluminum 90 Degree Elbow.....	30.54	7.82
			<i>For Work In Restricted Working Space, Add</i>	5.87	
26 05 33 13-1386	EA		1-1/4" Aluminum 90 Degree Elbow.....	39.64	8.87
			<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-1387	EA		1-1/2" Aluminum 90 Degree Elbow.....	48.79	10.24
			<i>For Work In Restricted Working Space, Add</i>	7.67	
26 05 33 13-1388	EA		2" Aluminum 90 Degree Elbow.....	63.51	11.74
			<i>For Work In Restricted Working Space, Add</i>	8.80	
26 05 33 13-1389	EA		2-1/2" Aluminum 90 Degree Elbow.....	93.31	14.30
			<i>For Work In Restricted Working Space, Add</i>	10.72	
26 05 33 13-1390	EA		3" Aluminum 90 Degree Elbow.....	135.21	18.51
			<i>For Work In Restricted Working Space, Add</i>	13.88	
26 05 33 13-1391	EA		3-1/2" Aluminum 90 Degree Elbow.....	190.63	20.76
			<i>For Work In Restricted Working Space, Add</i>	15.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1392 EA 4" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	229.56 19.52	26.03
26 05 33 13-1393 EA 5" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	592.40 31.82	42.43
26 05 33 13-1394 EA 6" Aluminum 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	832.37 47.85	63.80
26 05 33 13-1395 Aluminum Bushing Set With Locknut <small>(26 05 33 13-1370)</small>		
26 05 33 13-1396 EA 1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.35 2.26 2.26	3.01
26 05 33 13-1397 EA 3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.15 2.94 2.94	3.91
26 05 33 13-1398 EA 1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.58 3.61 3.61	4.81
26 05 33 13-1399 EA 1-1/4" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.15 4.07 4.07	5.41
26 05 33 13-1400 EA 1-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.32 4.97 4.97	6.62
26 05 33 13-1401 EA 2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.22 5.98 5.98	7.97
26 05 33 13-1402 EA 2-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.30 7.11 7.11	9.47
26 05 33 13-1403 EA 3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.93 8.12 8.12	10.84
26 05 33 13-1404 EA 3-1/2" Aluminum Bushing Set With Locknut <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.44 8.80 8.80	11.74
26 05 33 13-1405 EA 4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.52 9.48 9.48	12.64
26 05 33 13-1406 EA 5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.29 12.64 12.64	16.85
26 05 33 13-1407 EA 6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.65 18.96 18.96	25.28
26 05 33 13-1408 Schedule 40 Polyvinyl Chloride (PVC) Conduit <small>(26 05 33 13-0041)</small>		
<i>Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.</i>		
26 05 33 13-1409 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <small>(26 05 33 13-1408)</small>		
<i>Note: Includes field bend conduit up to 1".</i>		
26 05 33 13-1410 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.15 0.19 0.36	1.19
26 05 33 13-1411 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.50 0.22 0.41	1.31
26 05 33 13-1412 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.15 0.27 0.50	1.53
26 05 33 13-1413 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.80 0.33 0.59	1.74
26 05 33 13-1414 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.62 0.39 0.69	2.04
26 05 33 13-1415 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.51 0.46 0.82	2.33
26 05 33 13-1416 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.01 0.62 1.07	2.76
26 05 33 13-1417 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.31 0.73 1.26	3.21
26 05 33 13-1418 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	11.13 0.89 1.53	3.79
26 05 33 13-1419 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	13.47 1.04 1.80	4.66
26 05 33 13-1420 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.02 1.48 2.56	6.55

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1421	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings.....	25.34	8.73
			<i>For Schedule 60, Add</i>	1.97	
			<i>For Schedule 80, Add</i>	3.41	
26 05 33 13-1422			Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows (26 05 33 13-1408)		
			See CSI section 26 05 33 13-2356 for conduit field bending.		
26 05 33 13-1423	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	15.18	5.83
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	0.88	
			<i>For Schedule 80, Add</i>	1.67	
26 05 33 13-1424	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	16.72	6.41
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	0.98	
			<i>For Schedule 80, Add</i>	1.85	
26 05 33 13-1425	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow	19.33	7.28
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.07	
			<i>For Schedule 60, Add</i>	1.19	
			<i>For Schedule 80, Add</i>	2.22	
26 05 33 13-1426	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	24.94	9.32
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.10	
			<i>For Schedule 60, Add</i>	1.58	
			<i>For Schedule 80, Add</i>	2.90	
26 05 33 13-1427	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	31.35	11.65
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.13	
			<i>For Schedule 60, Add</i>	2.01	
			<i>For Schedule 80, Add</i>	3.69	
26 05 33 13-1428	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	39.36	14.56
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.18	
			<i>For Schedule 60, Add</i>	2.56	
			<i>For Schedule 80, Add</i>	4.68	
26 05 33 13-1429	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	49.23	17.47
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.33	
			<i>For Schedule 60, Add</i>	3.57	
			<i>For Schedule 80, Add</i>	6.31	
26 05 33 13-1430	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	60.30	20.38
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.56	
			<i>For Schedule 60, Add</i>	4.88	
			<i>For Schedule 80, Add</i>	8.36	
26 05 33 13-1431	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	75.01	24.75
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-0.79	
			<i>For Schedule 60, Add</i>	6.37	
			<i>For Schedule 80, Add</i>	10.78	
26 05 33 13-1432	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	89.72	29.13
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-1.01	
			<i>For Schedule 60, Add</i>	7.87	
			<i>For Schedule 80, Add</i>	13.20	
26 05 33 13-1433	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	120.24	36.40
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-1.75	
			<i>For Schedule 60, Add</i>	11.86	
			<i>For Schedule 80, Add</i>	19.33	
26 05 33 13-1434	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow.....	146.52	43.68
			See CSI section 26 05 33 13-2356 for conduit field bending.		
			<i>For 45 Degree Elbows, Deduct</i>	-2.24	
			<i>For Schedule 60, Add</i>	14.79	
			<i>For Schedule 80, Add</i>	23.98	
26 05 33 13-1435			Polyvinyl Chloride (PVC) Conduit Adapters (26 05 33 13-1408)		
26 05 33 13-1436	EA		1/2" Polyvinyl Chloride (PVC) Conduit Adapter.....	10.48	4.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33 13-1437	EA		3/4" Polyvinyl Chloride (PVC) Conduit Adapter.....	12.02	4.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33 13-1438	EA		1" Polyvinyl Chloride (PVC) Conduit Adapter.....	13.61	5.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.93	
26 05 33 13-1439	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter.....	15.26	5.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.37	
26 05 33 13-1440	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter.....	18.94	7.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.46	
26 05 33 13-1441	EA		2" Polyvinyl Chloride (PVC) Conduit Adapter.....	22.85	8.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.56	
26 05 33 13-1442	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter.....	31.16	11.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443 EA 3" Polyvinyl Chloride (PVC) Conduit Adapter	39.22	14.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.92	
26 05 33 13-1444 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter	50.94	18.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.20	
26 05 33 13-1445 EA 4" Polyvinyl Chloride (PVC) Conduit Adapter	61.95	23.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.48	
26 05 33 13-1446 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter	80.10	29.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.84	
26 05 33 13-1447 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter	99.77	36.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.31	
26 05 33 13-1448 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug <small>(26 05 33 13-1408)</small>		
26 05 33 13-1449 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	11.22	3.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.62	
26 05 33 13-1450 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	12.82	4.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.06	
26 05 33 13-1451 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	14.43	4.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-1452 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	16.92	5.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.93	
26 05 33 13-1453 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	18.80	5.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.37	
26 05 33 13-1454 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	22.20	6.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-1455 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	24.89	7.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 05 33 13-1456 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.30	8.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	
26 05 33 13-1457 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	33.41	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.64	
26 05 33 13-1458 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	37.06	11.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.74	
26 05 33 13-1459 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	44.60	13.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.83	
26 05 33 13-1460 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	49.74	14.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.92	
26 05 33 13-1461 Polyvinyl Chloride (PVC) Conduit Terminal Adapters <small>(26 05 33 13-1408)</small>		
26 05 33 13-1462 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	11.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 33 13-1463 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	13.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.03	
26 05 33 13-1464 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	15.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.47	
26 05 33 13-1465 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter	17.19	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.98	
26 05 33 13-1466 Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1408)</small>		
26 05 33 13-1467 EA 1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	31.98	11.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.74	
26 05 33 13-1468 EA 3/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	36.79	13.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.83	
26 05 33 13-1469 EA 1" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	40.82	14.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.92	
26 05 33 13-1470 EA 1-1/4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	50.00	17.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.10	
26 05 33 13-1471 EA 1-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	61.97	21.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.38	
26 05 33 13-1472 EA 2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	78.58	26.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.66	
26 05 33 13-1473 EA 2-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	123.04	29.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.84	
26 05 33 13-1474 EA 3" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	132.02	32.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.03	
26 05 33 13-1475 EA 3-1/2" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	144.59	36.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.31	
26 05 33 13-1476 EA 4" Type LB, LR Or LL, Two Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	162.52	42.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.67	
26 05 33 13-1477 Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover <small>(26 05 33 13-1408)</small>		
26 05 33 13-1478 EA 1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	41.41	15.05
For Schedule 60, Add	2.83	
For Schedule 80, Add	5.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1479 EA 3/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	46.08	16.55
For Schedule 60, Add	3.24	
For Schedule 80, Add	5.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-1480 EA 1" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	49.90	18.06
For Schedule 60, Add	3.45	
For Schedule 80, Add	6.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.54	
26 05 33 13-1481 EA 1-1/4" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	61.35	21.06
For Schedule 60, Add	4.80	
For Schedule 80, Add	8.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.80	
26 05 33 13-1482 EA 1-1/2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	74.15	25.58
For Schedule 60, Add	5.75	
For Schedule 80, Add	9.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.19	
26 05 33 13-1483 EA 2" Type T, Three Hub Polyvinyl Chloride (PVC) Conduit Body With Cover	90.01	30.10
For Schedule 60, Add	7.46	
For Schedule 80, Add	12.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.57	
26 05 33 13-1484 Polyvinyl Chloride (PVC) Conduit Expansion Joint (26 05 33 13-1408)		
26 05 33 13-1485 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	61.25	14.56
26 05 33 13-1486 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	69.11	17.47
26 05 33 13-1487 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	77.37	20.38
26 05 33 13-1488 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	85.23	23.30
26 05 33 13-1489 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	92.92	26.21
26 05 33 13-1490 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	101.66	29.13
26 05 33 13-1491 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	122.84	33.50
26 05 33 13-1492 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	145.49	37.86
26 05 33 13-1493 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	169.84	43.68
26 05 33 13-1494 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	201.25	50.97
26 05 33 13-1495 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	260.45	61.16
26 05 33 13-1496 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	341.29	78.63
26 05 33 13-1497 Polyvinyl Chloride (PVC) Conduit End Caps (26 05 33 13-1408)		
26 05 33 13-1498 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap	8.56	2.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.18	
26 05 33 13-1499 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap	10.13	3.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.62	
26 05 33 13-1500 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap	11.70	4.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.06	
26 05 33 13-1501 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	13.81	4.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.50	
26 05 33 13-1502 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	15.94	5.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.93	
26 05 33 13-1503 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap	18.48	5.83
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.37	
26 05 33 13-1504 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	25.30	6.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.03	
26 05 33 13-1505 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap	27.86	7.57
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.68	
26 05 33 13-1506 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	34.76	8.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.34	
26 05 33 13-1507 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap	41.17	9.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 33 13-1508 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap	47.08	10.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.64	
26 05 33 13-1509 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap	58.68	11.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.74	
26 05 33 13-1510 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1408)		
26 05 33 13-1511 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	83.80	26.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.66	
26 05 33 13-1512 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	81.48	17.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.10	
26 05 33 13-1513 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	188.73	29.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.84	
26 05 33 13-1514 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	357.96	42.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.67	
26 05 33 13-1515 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0041)		
Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1516 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1515)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1517 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.25	1.19
26 05 33 13-1518 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	5.83	1.31
26 05 33 13-1519 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	6.53	1.51
26 05 33 13-1520 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.22	1.74
26 05 33 13-1521 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.18	2.04
26 05 33 13-1522 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.99	2.33
26 05 33 13-1523 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.71	2.76
26 05 33 13-1524 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.55	3.21
26 05 33 13-1525 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.58	3.79
26 05 33 13-1526 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.33	4.66
26 05 33 13-1527 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.47	6.55
26 05 33 13-1528 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	30.72	8.73
26 05 33 13-1529 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90		
 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1515)</small>		
26 05 33 13-1530 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	56.48	5.83
For 24" Radius, Add	3.87	
For 36" Radius, Add	5.65	
For 48" Radius, Add	7.42	
26 05 33 13-1531 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	62.95	6.41
For 24" Radius, Add	4.32	
For 36" Radius, Add	6.30	
For 48" Radius, Add	8.27	
26 05 33 13-1532 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	65.61	7.28
For 24" Radius, Add	4.47	
For 36" Radius, Add	6.56	
For 48" Radius, Add	8.66	
26 05 33 13-1533 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	71.17	9.32
For 24" Radius, Add	4.76	
For 36" Radius, Add	7.12	
For 48" Radius, Add	9.48	
26 05 33 13-1534 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	77.48	11.65
For 24" Radius, Add	5.08	
For 36" Radius, Add	7.75	
For 48" Radius, Add	10.41	
26 05 33 13-1535 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	91.42	14.56
For 24" Radius, Add	5.95	
For 36" Radius, Add	9.14	
For 48" Radius, Add	12.34	
26 05 33 13-1536 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	109.53	17.47
For 24" Radius, Add	7.12	
For 36" Radius, Add	10.95	
For 48" Radius, Add	14.78	
26 05 33 13-1537 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	129.99	20.38
For 24" Radius, Add	8.48	
For 36" Radius, Add	13.00	
For 48" Radius, Add	17.52	
26 05 33 13-1538 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	150.79	24.75
For 24" Radius, Add	9.76	
For 36" Radius, Add	15.08	
For 48" Radius, Add	20.40	
26 05 33 13-1539 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	171.58	29.13
For 24" Radius, Add	11.05	
For 36" Radius, Add	17.16	
For 48" Radius, Add	23.27	
26 05 33 13-1540 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	214.49	36.40
For 24" Radius, Add	13.81	
For 36" Radius, Add	21.45	
For 48" Radius, Add	29.09	
26 05 33 13-1541 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	263.56	43.68
For 24" Radius, Add	17.04	
For 36" Radius, Add	26.36	
For 48" Radius, Add	35.68	
26 05 33 13-1542 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45		
 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1515)</small>		
26 05 33 13-1543 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	48.94	5.83
For 24" Radius, Add	3.31	
For 36" Radius, Add	4.89	
For 48" Radius, Add	6.48	
26 05 33 13-1544 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	54.51	6.41
For 24" Radius, Add	3.69	
For 36" Radius, Add	5.45	
For 48" Radius, Add	7.21	
26 05 33 13-1545 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	57.08	7.28
For 24" Radius, Add	3.83	
For 36" Radius, Add	5.71	
For 48" Radius, Add	7.59	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1546 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	62.56	9.32
For 24" Radius, Add	4.11	
For 36" Radius, Add	6.26	
For 48" Radius, Add	8.40	
26 05 33 13-1547 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	68.78	11.65
For 24" Radius, Add	4.43	
For 36" Radius, Add	6.88	
For 48" Radius, Add	9.33	
26 05 33 13-1548 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	81.51	14.56
For 24" Radius, Add	5.20	
For 36" Radius, Add	8.15	
For 48" Radius, Add	11.10	
26 05 33 13-1549 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	97.68	17.47
For 24" Radius, Add	6.23	
For 36" Radius, Add	9.77	
For 48" Radius, Add	13.30	
26 05 33 13-1550 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	115.77	20.38
For 24" Radius, Add	7.41	
For 36" Radius, Add	11.58	
For 48" Radius, Add	15.75	
26 05 33 13-1551 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	134.79	24.75
For 24" Radius, Add	8.56	
For 36" Radius, Add	13.48	
For 48" Radius, Add	18.40	
26 05 33 13-1552 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	153.81	29.13
For 24" Radius, Add	9.72	
For 36" Radius, Add	15.38	
For 48" Radius, Add	21.05	
26 05 33 13-1553 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	192.26	36.40
For 24" Radius, Add	12.14	
For 36" Radius, Add	19.23	
For 48" Radius, Add	26.31	
26 05 33 13-1554 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	235.77	43.68
For 24" Radius, Add	14.95	
For 36" Radius, Add	23.58	
For 48" Radius, Add	32.20	
26 05 33 13-1555 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1515)</small>		
26 05 33 13-1556 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	45.38	5.24
For 24" Radius, Add	3.08	
For 36" Radius, Add	4.54	
For 48" Radius, Add	6.00	
26 05 33 13-1557 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	50.55	5.77
For 24" Radius, Add	3.43	
For 36" Radius, Add	5.06	
For 48" Radius, Add	6.68	
26 05 33 13-1558 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	52.89	6.55
For 24" Radius, Add	3.56	
For 36" Radius, Add	5.29	
For 48" Radius, Add	7.02	
26 05 33 13-1559 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	57.83	8.38
For 24" Radius, Add	3.81	
For 36" Radius, Add	5.78	
For 48" Radius, Add	7.75	
26 05 33 13-1560 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	63.44	10.49
For 24" Radius, Add	4.10	
For 36" Radius, Add	6.34	
For 48" Radius, Add	8.59	
26 05 33 13-1561 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	75.13	13.10
For 24" Radius, Add	4.82	
For 36" Radius, Add	7.51	
For 48" Radius, Add	10.21	
26 05 33 13-1562 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	90.02	15.73
For 24" Radius, Add	5.77	
For 36" Radius, Add	9.00	
For 48" Radius, Add	12.24	
26 05 33 13-1563 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	106.72	18.35
For 24" Radius, Add	6.86	
For 36" Radius, Add	10.67	
For 48" Radius, Add	14.49	
26 05 33 13-1564 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	124.15	22.28
For 24" Radius, Add	7.92	
For 36" Radius, Add	12.42	
For 48" Radius, Add	16.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1565 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	141.59	26.21
<i>For 24" Radius, Add</i>	8.98	
<i>For 36" Radius, Add</i>	14.16	
<i>For 48" Radius, Add</i>	19.34	
26 05 33 13-1566 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	176.98	32.77
<i>For 24" Radius, Add</i>	11.23	
<i>For 36" Radius, Add</i>	17.70	
<i>For 48" Radius, Add</i>	24.17	
26 05 33 13-1567 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	217.14	39.32
<i>For 24" Radius, Add</i>	13.83	
<i>For 36" Radius, Add</i>	21.71	
<i>For 48" Radius, Add</i>	29.60	
26 05 33 13-1568 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1515)</small>		
26 05 33 13-1569 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	43.28	5.24
<i>For 24" Radius, Add</i>	2.92	
<i>For 36" Radius, Add</i>	4.33	
<i>For 48" Radius, Add</i>	5.74	
26 05 33 13-1570 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	48.20	5.77
<i>For 24" Radius, Add</i>	3.25	
<i>For 36" Radius, Add</i>	4.82	
<i>For 48" Radius, Add</i>	6.39	
26 05 33 13-1571 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	50.52	6.55
<i>For 24" Radius, Add</i>	3.38	
<i>For 36" Radius, Add</i>	5.05	
<i>For 48" Radius, Add</i>	6.72	
26 05 33 13-1572 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	55.44	8.38
<i>For 24" Radius, Add</i>	3.63	
<i>For 36" Radius, Add</i>	5.54	
<i>For 48" Radius, Add</i>	7.45	
26 05 33 13-1573 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	61.02	10.49
<i>For 24" Radius, Add</i>	3.92	
<i>For 36" Radius, Add</i>	6.10	
<i>For 48" Radius, Add</i>	8.28	
26 05 33 13-1574 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	72.38	13.10
<i>For 24" Radius, Add</i>	4.61	
<i>For 36" Radius, Add</i>	7.24	
<i>For 48" Radius, Add</i>	9.87	
26 05 33 13-1575 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	86.73	15.73
<i>For 24" Radius, Add</i>	5.52	
<i>For 36" Radius, Add</i>	8.67	
<i>For 48" Radius, Add</i>	11.82	
26 05 33 13-1576 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	102.76	18.35
<i>For 24" Radius, Add</i>	6.56	
<i>For 36" Radius, Add</i>	10.28	
<i>For 48" Radius, Add</i>	13.99	
26 05 33 13-1577 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	119.71	22.28
<i>For 24" Radius, Add</i>	7.59	
<i>For 36" Radius, Add</i>	11.97	
<i>For 48" Radius, Add</i>	16.36	
26 05 33 13-1578 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	136.65	26.21
<i>For 24" Radius, Add</i>	8.61	
<i>For 36" Radius, Add</i>	13.67	
<i>For 48" Radius, Add</i>	18.72	
26 05 33 13-1579 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	170.81	32.77
<i>For 24" Radius, Add</i>	10.76	
<i>For 36" Radius, Add</i>	17.08	
<i>For 48" Radius, Add</i>	23.40	
26 05 33 13-1580 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	209.42	39.32
<i>For 24" Radius, Add</i>	13.25	
<i>For 36" Radius, Add</i>	20.94	
<i>For 48" Radius, Add</i>	28.64	
26 05 33 13-1581 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-1515)</small>		
26 05 33 13-1582 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	27.56	4.08
26 05 33 13-1583 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	30.99	4.66
26 05 33 13-1584 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	32.64	5.24
26 05 33 13-1585 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	34.26	5.83
26 05 33 13-1586 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	38.30	7.28

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1587	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	45.79	8.73
26 05 33 13-1588	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	57.94	11.65
26 05 33 13-1589	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	70.97	14.56
26 05 33 13-1590	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	86.22	18.93
26 05 33 13-1591	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	101.46	23.30
26 05 33 13-1592	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	126.82	29.13
26 05 33 13-1593	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	158.52	36.40
26 05 33 13-1594 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings (26 05 33 13-1515)					
26 05 33 13-1595	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	19.99	4.08
26 05 33 13-1596	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	22.53	4.66
26 05 33 13-1597	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	24.10	5.24
26 05 33 13-1598	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	25.67	5.83
26 05 33 13-1599	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	29.43	7.28
26 05 33 13-1600	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	33.14	8.73
26 05 33 13-1601	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.68	11.65
26 05 33 13-1602	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	52.67	14.56
26 05 33 13-1603	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	65.63	18.93
26 05 33 13-1604	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	78.58	23.30
26 05 33 13-1605	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	98.24	29.13
26 05 33 13-1606	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	122.79	36.40
26 05 33 13-1607 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings (26 05 33 13-1515)					
26 05 33 13-1608	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	22.37	3.35
26 05 33 13-1609	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	25.18	4.66
26 05 33 13-1610	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	26.78	5.24
26 05 33 13-1611	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	28.32	5.83
26 05 33 13-1612	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	32.28	7.28
26 05 33 13-1613	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	38.61	8.73
26 05 33 13-1614	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	49.23	11.65
26 05 33 13-1615	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	60.52	14.56
26 05 33 13-1616	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	74.46	18.93
26 05 33 13-1617	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	88.39	23.30
26 05 33 13-1618	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	110.48	29.13
26 05 33 13-1619	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	138.12	36.40
26 05 33 13-1620 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints (26 05 33 13-1515)					
26 05 33 13-1621	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	49.82	14.56
26 05 33 13-1622	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	58.56	17.47
26 05 33 13-1623	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	66.02	20.38
26 05 33 13-1624	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	73.40	23.30
26 05 33 13-1625	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	81.02	26.21
26 05 33 13-1626	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.25	29.13
26 05 33 13-1627	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	105.86	33.50
26 05 33 13-1628	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	121.20	37.86
26 05 33 13-1629	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	139.09	43.68
26 05 33 13-1630	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	160.61	50.97
26 05 33 13-1631	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	187.12	58.25
26 05 33 13-1632	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	215.69	65.53
26 05 33 13-1633 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints (26 05 33 13-1515)					
26 05 33 13-1634	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	55.26	14.56
26 05 33 13-1635	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	64.67	17.47
26 05 33 13-1636	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	72.16	20.38
26 05 33 13-1637	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	79.60	23.30
26 05 33 13-1638	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	87.28	26.21
26 05 33 13-1639	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	98.39	29.13
26 05 33 13-1640	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	114.43	33.50
26 05 33 13-1641	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	131.49	37.86
26 05 33 13-1642	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	150.67	43.68
26 05 33 13-1643	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	173.48	50.97
26 05 33 13-1644	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	203.25	58.25
26 05 33 13-1645	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	235.85	65.53
26 05 33 13-1646 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters (26 05 33 13-1515)					
26 05 33 13-1647	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	55.06	4.08
26 05 33 13-1648	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	61.48	4.66
26 05 33 13-1649	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	64.46	5.24
26 05 33 13-1650	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	67.52	5.83
26 05 33 13-1651	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	71.98	7.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1652 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	80.75	8.73
26 05 33 13-1653 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	99.82	11.65
26 05 33 13-1654 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	121.18	14.56
26 05 33 13-1655 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	142.71	18.93
26 05 33 13-1656 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	164.24	23.30
26 05 33 13-1657 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	205.33	29.13
26 05 33 13-1658 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	255.64	36.40
26 05 33 13-1659	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring	
	Expansion/Deflection Joints <small>(26 05 33 13-1515)</small>	
26 05 33 13-1660 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	64.74	14.56
26 05 33 13-1661 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	75.17	17.47
26 05 33 13-1662 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	89.87	20.38
26 05 33 13-1663 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	110.70	23.30
26 05 33 13-1664 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	137.43	26.21
26 05 33 13-1665 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	179.38	29.13
26 05 33 13-1666 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	251.42	33.50
26 05 33 13-1667 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	302.58	37.86
26 05 33 13-1668 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	364.94	43.68
26 05 33 13-1669 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	430.94	50.97
26 05 33 13-1670 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	506.16	58.25
26 05 33 13-1671 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	775.89	65.53
26 05 33 13-1672	Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard	
	Wall (SW) Conduit Body And Cover <small>(26 05 33 13-1515)</small>	
26 05 33 13-1673 EA 1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	54.22	11.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	8.74	
26 05 33 13-1674 EA 3/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	62.69	13.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	9.83	
26 05 33 13-1675 EA 1" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	82.01	14.56
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	10.92	
26 05 33 13-1676 EA 1-1/4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	100.02	17.47
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	13.10	
26 05 33 13-1677 EA 1-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	127.05	21.85
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	16.38	
26 05 33 13-1678 EA 2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	172.85	26.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	19.66	
26 05 33 13-1679 EA 2-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	277.68	30.58
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	22.94	
26 05 33 13-1680 EA 3" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	355.68	34.95
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	26.21	
26 05 33 13-1681 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	427.24	40.77
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	30.58	
26 05 33 13-1682 EA 4" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	498.83	46.60
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	34.95	
26 05 33 13-1683 EA 5" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	587.17	52.43
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	39.32	
26 05 33 13-1684 EA 6" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	665.46	58.25
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	
	43.69	
26 05 33 13-1685	Explosion Proof Conduit Fittings <small>(26 05 33 13-0041)</small>	
	Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.	
26 05 33 13-1686	Explosion Proof Malleable Iron Conduit Unions <small>(26 05 33 13-1685)</small>	
26 05 33 13-1687 EA 1/2" Explosion Proof Malleable Iron Conduit Union.....	35.11	6.26
26 05 33 13-1688 EA 3/4" Explosion Proof Malleable Iron Conduit Union.....	43.99	6.93
26 05 33 13-1689 EA 1" Explosion Proof Malleable Iron Conduit Union.....	71.41	9.24
26 05 33 13-1690 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union.....	98.34	10.22
26 05 33 13-1691 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union.....	124.68	12.53
26 05 33 13-1692 EA 2" Explosion Proof Malleable Iron Conduit Union.....	156.27	14.51
26 05 33 13-1693 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union.....	221.18	20.74
26 05 33 13-1694 EA 3" Explosion Proof Malleable Iron Conduit Union.....	310.64	24.69
26 05 33 13-1695 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union.....	485.32	29.63
26 05 33 13-1696 EA 4" Explosion Proof Malleable Iron Conduit Union.....	531.05	37.86

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1697			Explosion Proof Malleable Iron Hub Bodies (26 05 33 13-1685)		
26 05 33 13-1698	EA		1/2" Explosion Proof Malleable Iron Two Hub Body.....	70.32	19.79
26 05 33 13-1699	EA		3/4" Explosion Proof Malleable Iron Two Hub Body.....	84.88	22.42
26 05 33 13-1700	EA		1" Explosion Proof Malleable Iron Two Hub Body.....	93.86	24.73
26 05 33 13-1701	EA		1/2" Explosion Proof Malleable Iron Three Hub Body.....	92.35	24.73
26 05 33 13-1702	EA		3/4" Explosion Proof Malleable Iron Three Hub Body.....	110.12	29.68
26 05 33 13-1703	EA		1" Explosion Proof Malleable Iron Three Hub Body.....	123.80	33.96
26 05 33 13-1704			Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical (26 05 33 13-1685)		
26 05 33 13-1705	EA		1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	70.36	16.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.36	
26 05 33 13-1706	EA		3/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	80.35	18.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.85	
26 05 33 13-1707	EA		1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	94.44	20.11
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.08	
26 05 33 13-1708	EA		1-1/4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	115.14	24.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.55	
26 05 33 13-1709	EA		1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	153.35	29.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.76	
26 05 33 13-1710	EA		2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	187.42	32.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.73	
26 05 33 13-1711	EA		2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	284.86	49.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.03	
26 05 33 13-1712	EA		3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	353.61	61.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.41	
26 05 33 13-1713	EA		3-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	751.58	68.13
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.11	
26 05 33 13-1714	EA		4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	1,016.04	74.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.55	
26 05 33 13-1715			Explosion Proof Flexible Conduit Couplings (26 05 33 13-1685)		
26 05 33 13-1716	EA		1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	366.65	7.58
26 05 33 13-1717	EA		3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	513.24	8.57
26 05 33 13-1718			Flexible Conduit (26 05 33 13-0040)		
26 05 33 13-1719			Liquid Tight Flexible Conduit And Connectors (26 05 33 13-1718) Note: Steel inner core with PVC cover.		
26 05 33 13-1720			Liquid Tight Flexible Conduit (26 05 33 13-1719)		
26 05 33 13-1721	LF		3/8" Liquid Tight Flex Conduit.....	2.83	0.90
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33 13-1722	LF		1/2" Liquid Tight Flex Conduit.....	2.91	0.90
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.34	
			<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33 13-1723	LF		3/4" Liquid Tight Flex Conduit.....	3.90	1.20
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1724	LF		1" Liquid Tight Flex Conduit.....	4.35	1.20
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.45	
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1725	LF		1-1/4" Liquid Tight Flex Conduit.....	5.59	1.50
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.56	
			<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33 13-1726	LF		1-1/2" Liquid Tight Flex Conduit.....	7.08	1.80
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-1727	LF		2" Liquid Tight Flex Conduit.....	9.34	2.41
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.90	
			<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-1728	LF		2-1/2" Liquid Tight Flex Conduit.....	12.25	2.71
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.02	
			<i>For Work In Restricted Working Space, Add</i>	2.03	
26 05 33 13-1729	LF		3" Liquid Tight Flex Conduit.....	17.49	3.31
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	2.48	
26 05 33 13-1730	LF		4" Liquid Tight Flex Conduit.....	23.70	4.21
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.58	
			<i>For Work In Restricted Working Space, Add</i>	3.16	
26 05 33 13-1731			Straight Connector (26 05 33 13-1719)		
26 05 33 13-1732	EA		3/8" Straight Liquid Tight Connector.....	7.65	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33 13-1733	EA		1/2" Straight Liquid Tight Connector.....	7.65	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1734 EA 3/4" Straight Liquid Tight Connector.....	9.10	2.71
For Work In Restricted Working Space, Add	2.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.03	
26 05 33 13-1735 EA 1" Straight Liquid Tight Connector.....	11.68	3.01
For Work In Restricted Working Space, Add	2.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.26	
26 05 33 13-1736 EA 1-1/4" Straight Liquid Tight Connector.....	14.56	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1737 EA 1-1/2" Straight Liquid Tight Connector.....	17.99	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-1738 EA 2" Straight Liquid Tight Connector.....	24.21	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1739 EA 2-1/2" Straight Liquid Tight Connector.....	75.59	5.41
For Work In Restricted Working Space, Add	4.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1740 EA 3" Straight Liquid Tight Connector.....	96.47	5.71
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-1741 EA 4" Straight Liquid Tight Connector.....	119.19	8.42
For Work In Restricted Working Space, Add	6.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.32	
26 05 33 13-1742 90 Degree Angle Connector <small>(26 05 33 13-1719)</small>		
26 05 33 13-1743 EA 3/8" 90 Degree Angle Liquid Tight Connector.....	10.99	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1744 EA 1/2" 90 Degree Angle Liquid Tight Connector.....	11.34	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1745 EA 3/4" 90 Degree Angle Liquid Tight Connector.....	12.71	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-1746 EA 1" 90 Degree Angle Liquid Tight Connector.....	17.25	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1747 EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	21.10	4.51
For Work In Restricted Working Space, Add	3.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-1748 EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	25.07	4.81
For Work In Restricted Working Space, Add	3.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-1749 EA 2" 90 Degree Angle Liquid Tight Connector.....	32.41	5.41
For Work In Restricted Working Space, Add	4.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-1750 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	104.15	5.71
For Work In Restricted Working Space, Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-1751 EA 3" 90 Degree Angle Liquid Tight Connector.....	122.95	6.62
For Work In Restricted Working Space, Add	4.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.97	
26 05 33 13-1752 EA 4" 90 Degree Angle Liquid Tight Connector.....	171.16	10.54
For Work In Restricted Working Space, Add	7.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.90	
26 05 33 13-1753 45 Degree Angle Connector <small>(26 05 33 13-1719)</small>		
26 05 33 13-1754 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	10.87	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1755 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	10.95	3.31
For Work In Restricted Working Space, Add	2.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	
26 05 33 13-1756 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	12.71	3.61
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-1757 EA 1" 45 Degree Angle Liquid Tight Connector.....	18.20	4.21
For Work In Restricted Working Space, Add	3.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	
26 05 33 13-1758 EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	20.48	4.51
For Work In Restricted Working Space, Add	3.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-1759 EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	22.76	4.81
For Work In Restricted Working Space, Add	3.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.61	
26 05 33 13-1760 Flexible Metallic Conduit And Connectors <small>(26 05 33 13-1718)</small>		
26 05 33 13-1761 Flexible Steel Conduit <small>(26 05 33 13-1760)</small>		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1762	LF	3/8"	Flexible Metallic Conduit.....	2.96	0.99
			<i>For Flexible Aluminum Conduit, Add</i>	0.09	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.36	
			<i>For Installation In Metal Stud Wall, Add</i>	0.24	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.61	
			<i>For Work In Restricted Working Space, Add</i>	0.73	
26 05 33 13-1763	LF	1/2"	Flexible Metallic Conduit.....	3.06	0.99
			<i>For Flexible Aluminum Conduit, Add</i>	0.10	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.37	
			<i>For Installation In Metal Stud Wall, Add</i>	0.25	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.62	
			<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-1764	LF	3/4"	Flexible Metallic Conduit.....	3.49	1.31
			<i>For Flexible Aluminum Conduit, Add</i>	0.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.40	
			<i>For Installation In Metal Stud Wall, Add</i>	0.27	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.67	
			<i>For Work In Restricted Working Space, Add</i>	0.80	
26 05 33 13-1765	LF	1"	Flexible Metallic Conduit.....	4.39	1.31
			<i>For Flexible Aluminum Conduit, Add</i>	0.25	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.43	
			<i>For Installation In Metal Stud Wall, Add</i>	0.29	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.72	
			<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 33 13-1766	LF	1-1/4"	Flexible Metallic Conduit.....	5.01	1.64
			<i>For Flexible Aluminum Conduit, Add</i>	0.32	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.46	
			<i>For Installation In Metal Stud Wall, Add</i>	0.31	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.76	
			<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-1767	LF	1-1/2"	Flexible Metallic Conduit.....	6.61	1.97
			<i>For Flexible Aluminum Conduit, Add</i>	0.57	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.48	
			<i>For Installation In Metal Stud Wall, Add</i>	0.32	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.79	
			<i>For Work In Restricted Working Space, Add</i>	0.95	
26 05 33 13-1768	LF	2"	Flexible Metallic Conduit.....	7.51	2.64
			<i>For Flexible Aluminum Conduit, Add</i>	0.70	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.49	
			<i>For Installation In Metal Stud Wall, Add</i>	0.33	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	0.82	
			<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-1769	LF	2-1/2"	Flexible Steel Conduit.....	9.23	2.97
			<i>For Flexible Aluminum Conduit, Add</i>	0.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
			<i>For Installation In Metal Stud Wall, Add</i>	0.41	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.03	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-1770	LF	3"	Flexible Metallic Conduit.....	13.81	3.62
			<i>For Flexible Aluminum Conduit, Add</i>	1.46	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
			<i>For Installation In Metal Stud Wall, Add</i>	0.49	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.24	
			<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-1771	LF	3-1/2"	Flexible Metallic Conduit.....	16.94	3.95
			<i>For Flexible Aluminum Conduit, Add</i>	1.84	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.86	
			<i>For Installation In Metal Stud Wall, Add</i>	0.58	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.44	
			<i>For Work In Restricted Working Space, Add</i>	1.73	
26 05 33 13-1772	LF	4"	Flexible Metallic Conduit.....	19.48	4.61
			<i>For Flexible Aluminum Conduit, Add</i>	2.13	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.99	
			<i>For Installation In Metal Stud Wall, Add</i>	0.66	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.65	
			<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 33 13-1773			Plain Squeeze Type Straight Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1774	EA	3/8"	Flexible Straight Connectors, Plain.....	5.06	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33 13-1775	EA	1/2"	Flexible Straight Connectors, Plain.....	6.28	2.97
			<i>For Work In Restricted Working Space, Add</i>	1.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.24	
26 05 33 13-1776	EA	3/4"	Flexible Straight Connectors, Plain.....	7.22	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-1777	EA	1"	Flexible Straight Connectors, Plain.....	11.58	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-1778	EA	1-1/4"	Flexible Straight Connectors, Plain.....	16.41	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1779 EA 1-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.64 3.08 3.08	5.59
26 05 33 13-1780 EA 2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.50 3.71 3.71	5.59
26 05 33 13-1781 EA 2-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.13 4.32 4.32	6.92
26 05 33 13-1782 EA 3" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.45 4.94 4.94	7.57
26 05 33 13-1783 EA 3-1/2" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	188.64 5.55 5.55	8.89
26 05 33 13-1784 EA 4" Flexible Straight Connectors, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.81 6.17 6.17	10.86
 26 05 33 13-1785 Insulated Throat Squeeze Type Straight Connector <small>(26 05 33 13-1780)</small>		
26 05 33 13-1786 EA 1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.02 1.24 1.24	2.97
26 05 33 13-1787 EA 3/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.19 1.48 1.48	3.62
26 05 33 13-1788 EA 1" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.90 1.97 1.97	3.95
26 05 33 13-1789 EA 1-1/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.85 2.47 2.47	4.61
26 05 33 13-1790 EA 1-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.98 3.08 3.08	4.94
26 05 33 13-1791 EA 2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.17 3.71 3.71	5.59
26 05 33 13-1792 EA 2-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.53 4.32 4.32	6.92
26 05 33 13-1793 EA 3" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.79 4.94 4.94	7.57
26 05 33 13-1794 EA 3-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.45 5.55 5.55	8.89
26 05 33 13-1795 EA 4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.63 6.17 6.17	10.86
 26 05 33 13-1796 Plain Squeeze Type 90 Degree Connector <small>(26 05 33 13-1780)</small>		
26 05 33 13-1797 EA 3/8" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.12 1.48 1.48	3.29
26 05 33 13-1798 EA 1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.41 1.73 1.73	3.62
26 05 33 13-1799 EA 3/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.29 1.97 1.97	3.95
26 05 33 13-1800 EA 1" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.25 2.47 2.47	4.61
26 05 33 13-1801 EA 1-1/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.99 2.96 2.96	4.94
26 05 33 13-1802 EA 1-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.27 3.71 3.71	5.76
26 05 33 13-1803 EA 2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.99 4.20 4.20	7.08
26 05 33 13-1804 EA 2-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.90 4.94 4.94	7.57
26 05 33 13-1805 EA 3" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.12 5.55 5.55	8.89
26 05 33 13-1806 EA 3-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	308.50 6.17 6.17	10.86

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1807	EA		4" Flexible 90 Degree Connector, Plain	551.54	12.35
			<i>For Work In Restricted Working Space, Add</i>	7.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-1808			Insulated Throat Squeeze Type 90 Degree Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1809	EA		1/2" Flexible 90 Degree Connector, Insulated.....	10.44	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33 13-1810	EA		3/4" Flexible 90 Degree Connector, Insulated.....	13.57	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-1811	EA		1" Flexible 90 Degree Connector, Insulated.....	17.25	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-1812	EA		1-1/4" Flexible 90 Degree Connector, Insulated	31.51	4.94
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-1813	EA		1-1/2" Flexible 90 Degree Connector, Insulated	50.49	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-1814	EA		2" Flexible 90 Degree Connector, Insulated.....	64.35	7.08
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.20	
26 05 33 13-1815	EA		2-1/2" Flexible 90 Degree Connector, Insulated	154.67	7.57
			<i>For Work In Restricted Working Space, Add</i>	4.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 05 33 13-1816	EA		3" Flexible 90 Degree Connector, Insulated.....	190.37	8.89
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1817	EA		3-1/2" Flexible 90 Degree Connector, Insulated	513.59	10.86
			<i>For Work In Restricted Working Space, Add</i>	6.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 33 13-1818	EA		4" Flexible 90 Degree Connector, Insulated.....	766.36	12.35
			<i>For Work In Restricted Working Space, Add</i>	7.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.41	
26 05 33 13-1819			Plain Squeeze Type 45 Degree Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1820	EA		3/8" Flexible 45 Degree Connector, Plain	7.95	3.29
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-1821	EA		1/2" Flexible 45 Degree Connector, Plain.....	10.74	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33 13-1822	EA		3/4" Flexible 45 Degree Connector, Plain	13.78	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-1823			Insulated Squeeze Type 45 Degree Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1824	EA		3/8" Flexible 45 Degree Connector, Insulated.....	8.53	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-1825	EA		1/2" Flexible 45 Degree Connector, Insulated.....	11.69	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33 13-1826	EA		3/4" Flexible 45 Degree Connector, Insulated.....	15.12	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-1827			Plain Screw-In Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1828	EA		3/8" Flexible Steel Screw-in Connector, Plain.....	4.20	2.64
			<i>For Work In Restricted Working Space, Add</i>	1.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.11	
26 05 33 13-1829	EA		1/2" Flexible Steel Screw-in Connector, Plain.....	4.54	2.97
			<i>For Work In Restricted Working Space, Add</i>	1.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.24	
26 05 33 13-1830	EA		3/4" Flexible Steel Screw-in Connector, Plain.....	5.79	3.62
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.48	
26 05 33 13-1831	EA		1" Flexible Steel Screw-in Connector, Plain.....	8.29	3.95
			<i>For Work In Restricted Working Space, Add</i>	1.97	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.97	
26 05 33 13-1832	EA		1-1/4" Flexible Steel Screw-in Connector, Plain.....	12.22	4.61
			<i>For Work In Restricted Working Space, Add</i>	2.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-1833	EA		1-1/2" Flexible Steel Screw-in Connector, Plain.....	14.93	4.94
			<i>For Work In Restricted Working Space, Add</i>	3.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-1834	EA		2" Flexible Steel Screw-in Connector, Plain.....	22.00	5.59
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1835 Insulated Screw-In Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1836 EA 3/8" Flexible Steel Screw-in Connector, Insulated.....	4.45	2.64
<i>For Work In Restricted Working Space, Add</i>		
	1.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.11	
26 05 33 13-1837 EA 1/2" Flexible Steel Screw-in Connector, Insulated.....	4.73	2.97
<i>For Work In Restricted Working Space, Add</i>		
	1.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.24	
26 05 33 13-1838 EA 3/4" Flexible Steel Screw-in Connector, Insulated.....	6.29	3.62
<i>For Work In Restricted Working Space, Add</i>		
	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.48	
26 05 33 13-1839 EA 1" Flexible Steel Screw-in Connector, Insulated.....	9.06	3.95
<i>For Work In Restricted Working Space, Add</i>		
	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.97	
26 05 33 13-1840 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated.....	13.32	4.61
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 05 33 13-1841 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated.....	16.24	4.94
<i>For Work In Restricted Working Space, Add</i>		
	3.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.08	
26 05 33 13-1842 EA 2" Flexible Steel Screw-in Connector, Insulated.....	23.16	5.59
<i>For Work In Restricted Working Space, Add</i>		
	3.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.71	
26 05 33 13-1843 Screw-In Coupling <small>(26 05 33 13-1760)</small>		
26 05 33 13-1844 EA 1/2" Flexible Steel Screw-in Coupling.....	5.02	2.97
<i>For Work In Restricted Working Space, Add</i>		
	1.24	
26 05 33 13-1845 EA 3/4" Flexible Steel Screw-in Coupling.....	6.59	3.62
<i>For Work In Restricted Working Space, Add</i>		
	1.48	
26 05 33 13-1846 Flexible To Electrical Metallic Tubing (EMT) Coupling <small>(26 05 33 13-1760)</small>		
26 05 33 13-1847 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	6.77	2.64
<i>For Work In Restricted Working Space, Add</i>		
	1.11	
26 05 33 13-1848 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	9.23	2.97
<i>For Work In Restricted Working Space, Add</i>		
	1.24	
26 05 33 13-1849 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	12.21	3.62
<i>For Work In Restricted Working Space, Add</i>		
	1.48	
26 05 33 13-1850 Die Cast Squeeze Type Straight Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1851 EA 3/8" Flexible Straight Connector, Die Cast.....	4.36	2.64
<i>For Work In Restricted Working Space, Add</i>		
	1.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.11	
26 05 33 13-1852 EA 1/2" Flexible Straight Connector, Die Cast.....	4.94	2.97
<i>For Work In Restricted Working Space, Add</i>		
	1.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.24	
26 05 33 13-1853 EA 3/4" Flexible Straight Connector, Die Cast.....	6.13	3.62
<i>For Work In Restricted Working Space, Add</i>		
	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.48	
26 05 33 13-1854 EA 1" Flexible Straight Connector, Die Cast.....	9.23	3.95
<i>For Work In Restricted Working Space, Add</i>		
	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.97	
26 05 33 13-1855 EA 1-1/4" Flexible Straight Connector, Die Cast.....	12.45	4.61
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 05 33 13-1856 EA 1-1/2" Flexible Straight Connector, Die Cast.....	16.91	4.94
<i>For Work In Restricted Working Space, Add</i>		
	3.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.08	
26 05 33 13-1857 EA 2" Flexible Straight Connector, Die Cast.....	21.89	5.59
<i>For Work In Restricted Working Space, Add</i>		
	3.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.71	
26 05 33 13-1858 Die Cast Squeeze Type 90 Degree Connector <small>(26 05 33 13-1760)</small>		
26 05 33 13-1859 EA 3/8" Flexible 90 Degree Connector, Die Cast.....	5.78	3.29
<i>For Work In Restricted Working Space, Add</i>		
	1.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.48	
26 05 33 13-1860 EA 1/2" Flexible 90 Degree Connector, Die Cast.....	7.16	3.62
<i>For Work In Restricted Working Space, Add</i>		
	1.73	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.73	
26 05 33 13-1861 EA 3/4" Flexible 90 Degree Connector, Die Cast.....	8.70	3.95
<i>For Work In Restricted Working Space, Add</i>		
	1.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	1.97	
26 05 33 13-1862 EA 1" Flexible 90 Degree Connector, Die Cast.....	13.83	4.61
<i>For Work In Restricted Working Space, Add</i>		
	2.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.47	
26 05 33 13-1863 EA 1-1/4" Flexible 90 Degree Connector, Die Cast.....	19.64	4.94
<i>For Work In Restricted Working Space, Add</i>		
	2.96	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.96	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1864	EA		1-1/2" Flexible 90 Degree Connector, Die Cast	30.59	5.76
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-1865	EA		2" Flexible 90 Degree Connector, Die Cast	36.58	7.08
			<i>For Work In Restricted Working Space, Add</i>	4.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.20	
26 05 33 13-1866			Non-Metallic Liquid Tight Flexible Conduit And Connectors <small>(26 05 33 13-1718)</small>		
			Note: Carlon - CARFLEX.		
26 05 33 13-1867			Non-Metallic Liquid Tight Flexible Conduit <small>(26 05 33 13-1866)</small>		
26 05 33 13-1868	LF		3/8" Non-Metallic Liquid Tight Flex Conduit	2.91	0.90
			<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33 13-1869	LF		1/2" Non-Metallic Liquid Tight Flex Conduit	2.96	0.90
			<i>For Work In Restricted Working Space, Add</i>	0.68	
26 05 33 13-1870	LF		3/4" Non-Metallic Liquid Tight Flex Conduit	3.98	1.20
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1871	LF		1" Non-Metallic Liquid Tight Flex Conduit	4.98	1.20
			<i>For Work In Restricted Working Space, Add</i>	0.90	
26 05 33 13-1872	LF		1-1/4" Non-Metallic Liquid Tight Flex Conduit	6.32	1.50
			<i>For Work In Restricted Working Space, Add</i>	1.13	
26 05 33 13-1873	LF		1-1/2" Non-Metallic Liquid Tight Flex Conduit	8.07	1.80
			<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-1874	LF		2" Non-Metallic Liquid Tight Flex Conduit	10.36	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
26 05 33 13-1875			Straight Connector <small>(26 05 33 13-1866)</small>		
26 05 33 13-1876	EA		3/8" Non-Metallic Straight Connector	8.41	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33 13-1877	EA		1/2" Non-Metallic Straight Connector	8.41	2.41
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33 13-1878	EA		3/4" Non-Metallic Straight Connector	10.31	2.71
			<i>For Work In Restricted Working Space, Add</i>	2.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.03	
26 05 33 13-1879	EA		1" Non-Metallic Straight Connector	12.84	3.01
			<i>For Work In Restricted Working Space, Add</i>	2.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.26	
26 05 33 13-1880	EA		1-1/4" Non-Metallic Straight Connector	17.82	3.31
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-1881	EA		1-1/2" Non-Metallic Straight Connector	22.32	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-1882	EA		2" Non-Metallic Straight Connector	34.93	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-1883			90 Degree Angle Connector <small>(26 05 33 13-1866)</small>		
26 05 33 13-1884	EA		3/8" Non-Metallic 90 Degree Angle Connector	12.16	3.31
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-1885	EA		1/2" Non-Metallic 90 Degree Angle Connector	12.16	3.31
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-1886	EA		3/4" Non-Metallic 90 Degree Angle Connector	15.01	3.61
			<i>For Work In Restricted Working Space, Add</i>	2.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-1887	EA		1" Non-Metallic 90 Degree Angle Connector	21.35	4.21
			<i>For Work In Restricted Working Space, Add</i>	3.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.16	
26 05 33 13-1888	EA		1-1/4" Non-Metallic 90 Degree Angle Connector	22.05	4.51
			<i>For Work In Restricted Working Space, Add</i>	3.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-1889	EA		1-1/2" Non-Metallic 90 Degree Angle Connector	35.11	4.81
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.61	
26 05 33 13-1890	EA		2" Non-Metallic 90 Degree Angle Connector	47.30	5.41
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-1891			45 Degree Angle Connector <small>(26 05 33 13-1866)</small>		
26 05 33 13-1892	EA		3/8" Non-Metallic 45 Degree Angle Connector	12.16	3.31
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-1893	EA		1/2" Non-Metallic 45 Degree Angle Connector	12.16	3.31
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1894 EA 3/4" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.01 2.71 2.71	3.61
26 05 33 13-1895 EA 1" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.35 3.16 3.16	4.21
26 05 33 13-1896 EA 1-1/4" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.05 3.99 3.99	4.51
26 05 33 13-1897 EA 1-1/2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.11 3.61 3.61	4.81
26 05 33 13-1898 EA 2" Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.30 4.07 4.07	5.41
26 05 33 13-1899 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-1718)</small> Note: Carlon - FLEX-PLUS.		
26 05 33 13-1900 Blue ENT Electrical Non-Metallic Tubing <small>(26 05 33 13-1899)</small>		
26 05 33 13-1901 LF 1/2" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	2.73 0.74	0.99
26 05 33 13-1902 LF 3/4" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.65 0.99	1.31
26 05 33 13-1903 LF 1" Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	3.87 0.99	1.31
26 05 33 13-1904 Terminal Adapter <small>(26 05 33 13-1899)</small>		
26 05 33 13-1905 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.01 1.97 1.97	2.64
26 05 33 13-1906 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.19 2.22 2.22	2.97
26 05 33 13-1907 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.23 2.47 2.47	3.29
26 05 33 13-1908 Coupling <small>(26 05 33 13-1899)</small>		
26 05 33 13-1909 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	6.95 1.97	2.64
26 05 33 13-1910 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	7.89 2.22	2.97
26 05 33 13-1911 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing <i>For Work In Restricted Working Space, Add</i>	8.95 2.47	3.29
26 05 33 13-1912 Conduit Installed Below Grade <small>(26 05 33 13-0040)</small> Note: By direct burial In trench or in concrete slabs or duct banks. Excludes trenching, backfilling and concrete.		
26 05 33 13-1913 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial <small>(26 05 33 13-1912)</small>		
26 05 33 13-1914 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <small>(26 05 33 13-1913)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1915 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.52 0.16 0.29	
26 05 33 13-1916 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	2.76 0.18 0.33	
26 05 33 13-1917 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.05 0.22 0.39	
26 05 33 13-1918 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.34 0.25 0.44	
26 05 33 13-1919 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.62 0.29 0.49	
26 05 33 13-1920 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.96 0.33 0.57	
26 05 33 13-1921 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.55 0.45 0.73	
26 05 33 13-1922 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.94 0.51 0.82	
26 05 33 13-1923 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.49 0.61 0.96	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1924	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	5.83	
			<i>For Schedule 60, Add</i>	0.66	
			<i>For Schedule 80, Add</i>	1.04	
26 05 33	13-1925	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	6.83	
			<i>For Schedule 60, Add</i>	0.87	
			<i>For Schedule 80, Add</i>	1.34	
26 05 33	13-1926	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings, Direct Burial	7.86	
			<i>For Schedule 60, Add</i>	1.09	
			<i>For Schedule 80, Add</i>	1.66	
26 05 33 13-1927 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial					
<i>(26 05 33 13-1913)</i>					
See CSI section 26 05 33 13-2356 for conduit field bending.					
26 05 33	13-1928	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	18.82	
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	1.07	
			<i>For Schedule 80, Add</i>	2.04	
26 05 33	13-1929	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	22.55	
			<i>For 45 Degree Elbows, Deduct</i>	-0.04	
			<i>For Schedule 60, Add</i>	1.27	
			<i>For Schedule 80, Add</i>	2.43	
26 05 33	13-1930	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	26.61	
			<i>For 45 Degree Elbows, Deduct</i>	-0.07	
			<i>For Schedule 60, Add</i>	1.56	
			<i>For Schedule 80, Add</i>	2.94	
26 05 33	13-1931	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	30.77	
			<i>For 45 Degree Elbows, Deduct</i>	-0.10	
			<i>For Schedule 60, Add</i>	1.87	
			<i>For Schedule 80, Add</i>	3.49	
26 05 33	13-1932	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	34.99	
			<i>For 45 Degree Elbows, Deduct</i>	-0.13	
			<i>For Schedule 60, Add</i>	2.19	
			<i>For Schedule 80, Add</i>	4.05	
26 05 33	13-1933	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	39.36	
			<i>For 45 Degree Elbows, Deduct</i>	-0.18	
			<i>For Schedule 60, Add</i>	2.56	
			<i>For Schedule 80, Add</i>	4.68	
26 05 33	13-1934	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	45.60	
			<i>For 45 Degree Elbows, Deduct</i>	-0.33	
			<i>For Schedule 60, Add</i>	3.39	
			<i>For Schedule 80, Add</i>	5.95	
26 05 33	13-1935	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	53.01	
			<i>For 45 Degree Elbows, Deduct</i>	-0.56	
			<i>For Schedule 60, Add</i>	4.52	
			<i>For Schedule 80, Add</i>	7.63	
26 05 33	13-1936	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	64.09	
			<i>For 45 Degree Elbows, Deduct</i>	-0.79	
			<i>For Schedule 60, Add</i>	5.83	
			<i>For Schedule 80, Add</i>	9.69	
26 05 33	13-1937	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	75.16	
			<i>For 45 Degree Elbows, Deduct</i>	-1.01	
			<i>For Schedule 60, Add</i>	7.14	
			<i>For Schedule 80, Add</i>	11.74	
26 05 33	13-1938	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	94.75	
			<i>For 45 Degree Elbows, Deduct</i>	-1.75	
			<i>For Schedule 60, Add</i>	10.58	
			<i>For Schedule 80, Add</i>	16.78	
26 05 33	13-1939	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	110.11	
			<i>For 45 Degree Elbows, Deduct</i>	-2.24	
			<i>For Schedule 60, Add</i>	12.97	
			<i>For Schedule 80, Add</i>	20.34	
26 05 33 13-1940 Polyvinyl Chloride (PVC) Conduit Adapters, Direct Burial					
<i>(26 05 33 13-1913)</i>					
26 05 33	13-1941	EA	1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	10.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.06	
26 05 33	13-1942	EA	3/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	12.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.50	
26 05 33	13-1943	EA	1" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.93	
26 05 33	13-1944	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	15.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.37	
26 05 33	13-1945	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	16.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.81	
26 05 33	13-1946	EA	2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	18.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.24	
26 05 33	13-1947	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 33	13-1948	EA	3" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	24.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.56	
26 05 33	13-1949	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	29.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.64	
26 05 33	13-1950	EA	4" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial	32.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1951 EA 5" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.06 9.83	
26 05 33 13-1952 EA 6" Polyvinyl Chloride (PVC) Conduit Adapter, Direct Burial..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.15 10.92	
26 05 33 13-1953 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial <small>(26 05 33 13-1913)</small>		
26 05 33 13-1954 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	18.38	
26 05 33 13-1955 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	20.26	
26 05 33 13-1956 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	22.92	
26 05 33 13-1957 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	25.62	
26 05 33 13-1958 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	28.30	
26 05 33 13-1959 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	33.41	
26 05 33 13-1960 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	37.06	
26 05 33 13-1961 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	44.60	
26 05 33 13-1962 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial.....	49.74	
26 05 33 13-1963 Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial <small>(26 05 33 13-1913)</small>		
26 05 33 13-1964 EA 1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	10.43	
26 05 33 13-1965 EA 3/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	12.02	
26 05 33 13-1966 EA 1" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	13.54	
26 05 33 13-1967 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Terminal Adapters, Direct Burial.....	15.14	
26 05 33 13-1968 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	16.65	
26 05 33 13-1969 EA 2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	18.33	
26 05 33 13-1970 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	21.39	
26 05 33 13-1971 EA 3" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	24.25	
26 05 33 13-1972 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	28.56	
26 05 33 13-1973 EA 4" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	32.28	
26 05 33 13-1974 EA 5" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	38.98	
26 05 33 13-1975 EA 6" Polyvinyl Chloride (PVC) Conduit Terminal Adapter, Direct Burial.....	43.86	
26 05 33 13-1976 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1912)</small>		
<i>Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or Z/Gedney).</i>		
26 05 33 13-1977 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial <small>(26 05 33 13-1976)</small>		
<i>Note: Includes field bending for conduit up to 1".</i>		
26 05 33 13-1978 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	8.42 -0.32 -0.53 -0.74	1.58
26 05 33 13-1979 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	9.47 -0.36 -0.60 -0.83	1.96
26 05 33 13-1980 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	11.68 -0.45 -0.74 -1.04	2.19
26 05 33 13-1981 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	14.16 -0.56 -0.91 -1.27	2.94
26 05 33 13-1982 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	16.67 -0.66 -1.08 -1.50	3.31
26 05 33 13-1983 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	21.17 -0.85 -1.38 -1.91	3.61
26 05 33 13-1984 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	30.85 -1.26 -2.03 -2.80	5.41
26 05 33 13-1985 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	39.71 -1.61 -2.60 -3.59	6.77
26 05 33 13-1986 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	48.98 -1.98 -3.20 -4.43	7.15
26 05 33 13-1987 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial..... <i>For >250 To 500, Deduct</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	58.13 -2.34 -3.80 -5.25	7.90

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1988 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	91.60	10.91
For >250 To 500, Deduct	-3.87	
For >500 To 1,000, Deduct	-6.16	
For >1,000, Deduct	-8.45	
26 05 33 13-1989 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	122.48	14.30
For >250 To 500, Deduct	-5.22	
For >500 To 1,000, Deduct	-8.28	
For >1,000, Deduct	-11.35	
26 05 33 13-1990 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-1991 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	9.03	2.26
26 05 33 13-1992 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.76	3.01
26 05 33 13-1993 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	13.68	3.76
26 05 33 13-1994 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	15.44	4.14
26 05 33 13-1995 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	18.32	4.89
26 05 33 13-1996 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	23.77	5.64
26 05 33 13-1997 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	44.43	6.77
26 05 33 13-1998 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	56.31	9.40
26 05 33 13-1999 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	69.93	10.91
26 05 33 13-2000 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	86.35	15.05
26 05 33 13-2001 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	224.69	20.69
26 05 33 13-2002 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	228.09	11.66
26 05 33 13-2003 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
Note: 90, 45, or 30 degree.		
26 05 33 13-2004 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	34.65	9.40
26 05 33 13-2005 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	39.77	11.66
26 05 33 13-2006 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	47.44	14.30
26 05 33 13-2007 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	56.29	16.55
26 05 33 13-2008 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	66.10	18.81
26 05 33 13-2009 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	81.13	20.69
26 05 33 13-2010 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	126.81	25.96
26 05 33 13-2011 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	190.40	35.36
26 05 33 13-2012 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	236.79	39.87
26 05 33 13-2013 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	269.82	51.91
26 05 33 13-2014 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	569.32	84.64
26 05 33 13-2015 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	897.31	127.14
26 05 33 13-2016 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2017 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	84.78	14.30
26 05 33 13-2018 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	95.27	16.55
26 05 33 13-2019 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	108.78	18.81
26 05 33 13-2020 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	130.38	20.69
26 05 33 13-2021 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	182.55	25.96
26 05 33 13-2022 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2023 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	94.88	14.30
26 05 33 13-2024 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	111.96	16.55
26 05 33 13-2025 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	120.75	18.81
26 05 33 13-2026 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	156.47	20.69
26 05 33 13-2027 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	207.70	25.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2028 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	265.00	35.36
26 05 33 13-2029 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2030 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	106.95	14.30
26 05 33 13-2031 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	120.65	16.55
26 05 33 13-2032 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	136.10	18.81
26 05 33 13-2033 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	165.12	20.69
26 05 33 13-2034 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	236.61	25.96
26 05 33 13-2035 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	298.94	35.36
26 05 33 13-2036 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	378.91	39.87
26 05 33 13-2037 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	424.66	51.91
26 05 33 13-2038 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2039 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	127.81	14.30
26 05 33 13-2040 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	141.05	16.55
26 05 33 13-2041 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	159.26	18.81
26 05 33 13-2042 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	198.47	20.69
26 05 33 13-2043 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	288.34	25.96
26 05 33 13-2044 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	356.44	35.36
26 05 33 13-2045 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	414.02	39.87
26 05 33 13-2046 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	489.11	51.91
26 05 33 13-2047 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2048 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	144.03	14.30
26 05 33 13-2049 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	160.03	16.55
26 05 33 13-2050 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	182.05	18.81
26 05 33 13-2051 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	227.50	20.69
26 05 33 13-2052 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	316.57	25.96
26 05 33 13-2053 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	402.43	35.36
26 05 33 13-2054 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	499.38	39.87
26 05 33 13-2055 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	548.28	51.91
26 05 33 13-2056 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	914.71	84.64
26 05 33 13-2057 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2058 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	165.26	14.30
26 05 33 13-2059 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	182.98	16.55
26 05 33 13-2060 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	207.04	18.81
26 05 33 13-2061 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	259.70	20.69
26 05 33 13-2062 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	363.61	25.96
26 05 33 13-2063 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	461.02	35.36
26 05 33 13-2064 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	542.15	39.87

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2065 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	624.65	51.91
26 05 33 13-2066 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	968.24	84.64
26 05 33 13-2067 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,320.27	127.14
26 05 33 13-2068 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2069 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	194.80	14.30
26 05 33 13-2070 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	203.43	16.55
26 05 33 13-2071 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	240.48	18.81
26 05 33 13-2072 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	304.52	20.69
26 05 33 13-2073 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	427.03	25.96
26 05 33 13-2074 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	540.02	35.36
26 05 33 13-2075 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	661.06	39.87
26 05 33 13-2076 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	773.24	51.91
26 05 33 13-2077 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,142.84	84.64
26 05 33 13-2078 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,400.42	127.14
26 05 33 13-2079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2080 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	201.92	14.30
26 05 33 13-2081 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	238.02	16.55
26 05 33 13-2082 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	269.41	18.81
26 05 33 13-2083 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	318.01	20.69
26 05 33 13-2084 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	442.87	25.96
26 05 33 13-2085 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	564.31	35.36
26 05 33 13-2086 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	725.82	39.87
26 05 33 13-2087 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	806.94	51.91
26 05 33 13-2088 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,189.74	84.64
26 05 33 13-2089 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,441.14	127.14
26 05 33 13-2090 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2091 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	66.03	9.40
26 05 33 13-2092 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	71.40	11.66
26 05 33 13-2093 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	93.03	14.30
26 05 33 13-2094 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	136.84	16.55
26 05 33 13-2095 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	162.73	18.81
26 05 33 13-2096 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	208.11	20.69
26 05 33 13-2097 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	277.64	25.96
26 05 33 13-2098 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	363.11	25.96
26 05 33 13-2099 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	465.77	39.87
26 05 33 13-2100 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	599.48	51.91
26 05 33 13-2101 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,095.73	84.64
26 05 33 13-2102 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,357.68	127.14



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2103				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2104	EA			1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	67.62	9.40
26 05 33 13-2105	EA			3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	77.47	11.66
26 05 33 13-2106	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	96.27	14.30
26 05 33 13-2107	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	142.78	16.55
26 05 33 13-2108	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	170.98	18.81
26 05 33 13-2109	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	225.93	20.69
26 05 33 13-2110	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	315.77	25.96
26 05 33 13-2111	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	401.88	25.96
26 05 33 13-2112	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	535.86	39.87
26 05 33 13-2113	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	669.31	51.91
26 05 33 13-2114	EA			5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,223.73	84.64
26 05 33 13-2115	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,564.37	127.14
26 05 33 13-2116				Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1976)</small>		
26 05 33 13-2117	EA			1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	22.41	4.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-2118	EA			3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.94	5.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-2119	EA			1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	28.70	7.15
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2120	EA			1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.26	8.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2121	EA			1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.10	9.40
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2122	EA			1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	24.90	4.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.94	
26 05 33 13-2123	EA			3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	26.77	5.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-2124	EA			1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.55	7.15
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2125	EA			1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.22	8.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2126	EA			1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.21	9.40
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2127	EA			2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	42.37	10.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2128	EA			1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	25.02	4.89
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2129	EA			3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	26.88	5.64
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2130	EA			1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.78	7.15
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2131	EA			1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	36.47	8.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2132	EA			1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.46	9.40
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2133	EA			2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	43.03	10.54
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2134	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.76	4.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2135	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.62	5.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2136	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.65	7.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2137	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.53	8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2138	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.63	9.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2139	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.08	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2140	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.70	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2141	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	82.01	17.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-2142	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	26.88	4.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2143	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.86	5.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2144	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.91	7.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2145	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.59	8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2146	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.81	9.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2147	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.13	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2148	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.52	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2149	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	85.91	17.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-2150	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	102.91	19.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 33 13-2151	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.35	25.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	
26 05 33 13-2152	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.12	4.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2153	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.12	5.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2154	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.18	7.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2155	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.09	8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2156	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.32	9.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2157	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.25	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2158	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	72.72	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2159	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	91.74	17.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-2160	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	104.16	19.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 33 13-2161	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.68	25.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2162 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	181.55	35.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>21.44</i>	
26 05 33 13-2163 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	27.58	4.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.93</i>	
26 05 33 13-2164 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.57	5.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.38</i>	
26 05 33 13-2165 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.67	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.29</i>	
26 05 33 13-2166 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.00	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.97</i>	
26 05 33 13-2167 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.42	9.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.64</i>	
26 05 33 13-2168 EA 2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.36	10.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.32</i>	
26 05 33 13-2169 EA 2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.04	12.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.67</i>	
26 05 33 13-2170 EA 3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	99.50	17.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.61</i>	
26 05 33 13-2171 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.14	19.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.96</i>	
26 05 33 13-2172 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	134.46	25.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>15.57</i>	
26 05 33 13-2173 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	199.17	35.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>21.44</i>	
26 05 33 13-2174 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	28.29	4.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.93</i>	
26 05 33 13-2175 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	30.27	5.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.38</i>	
26 05 33 13-2176 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.77	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.29</i>	
26 05 33 13-2177 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.24	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.97</i>	
26 05 33 13-2178 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.65	9.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.64</i>	
26 05 33 13-2179 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.81	10.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.32</i>	
26 05 33 13-2180 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	89.04	12.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.67</i>	
26 05 33 13-2181 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.11	17.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.61</i>	
26 05 33 13-2182 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.63	19.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.96</i>	
26 05 33 13-2183 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	152.15	25.96
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>15.57</i>	
26 05 33 13-2184 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	211.25	35.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>21.44</i>	
26 05 33 13-2185 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.04	4.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.93</i>	
26 05 33 13-2186 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.00	5.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3.38</i>	
26 05 33 13-2187 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.85	7.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.29</i>	
26 05 33 13-2188 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.53	8.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.97</i>	
26 05 33 13-2189 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	50.95	9.40
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.64</i>	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2190	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.83	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2191	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.56	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2192	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	123.70	17.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-2193	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	147.00	19.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 33 13-2194	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	183.11	25.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	
26 05 33 13-2195	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	235.34	35.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	
26 05 33 13-2196	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.81	4.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.93	
26 05 33 13-2197	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	31.86	5.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-2198	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.59	7.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
26 05 33 13-2199	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.95	8.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.97	
26 05 33 13-2200	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.37	9.40
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
26 05 33 13-2201	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	69.26	10.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.32	
26 05 33 13-2202	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	111.25	12.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.67	
26 05 33 13-2203	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.08	17.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.61	
26 05 33 13-2204	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.27	19.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.96	
26 05 33 13-2205	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	192.60	25.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.57	
26 05 33 13-2206	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	238.78	35.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.44	
26 05 33 13-2207		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1912)</small> Note: Direct burial or encased application.		
26 05 33 13-2208		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-2207)</small>		
26 05 33 13-2209	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	4.62	0.94
		<i>For Work In Restricted Working Space, Add</i>	0.71	
26 05 33 13-2210	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.09	1.02
		<i>For Work In Restricted Working Space, Add</i>	0.76	
26 05 33 13-2211	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.43	1.09
		<i>For Work In Restricted Working Space, Add</i>	0.82	
26 05 33 13-2212	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	5.76	1.16
		<i>For Work In Restricted Working Space, Add</i>	0.87	
26 05 33 13-2213	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.18	1.24
		<i>For Work In Restricted Working Space, Add</i>	0.93	
26 05 33 13-2214	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	6.44	1.31
		<i>For Work In Restricted Working Space, Add</i>	0.98	
26 05 33 13-2215	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.25	1.38
		<i>For Work In Restricted Working Space, Add</i>	1.04	
26 05 33 13-2216	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.18	1.45
		<i>For Work In Restricted Working Space, Add</i>	1.09	
26 05 33 13-2217	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.94	1.53
		<i>For Work In Restricted Working Space, Add</i>	1.15	
26 05 33 13-2218	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.69	1.60
		<i>For Work In Restricted Working Space, Add</i>	1.20	
26 05 33 13-2219	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.28	1.67
		<i>For Work In Restricted Working Space, Add</i>	1.26	
26 05 33 13-2220	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.24	1.74
		<i>For Work In Restricted Working Space, Add</i>	1.31	
26 05 33 13-2221		Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-2207)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2222 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	60.12	7.28
<i>For Work In Restricted Working Space, Add</i>	5.46	
<i>For 24" Radius, Add</i>	4.05	
<i>For 36" Radius, Add</i>	6.01	
<i>For 48" Radius, Add</i>	7.97	
26 05 33 13-2223 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	68.78	8.73
<i>For Work In Restricted Working Space, Add</i>	6.56	
<i>For 24" Radius, Add</i>	4.61	
<i>For 36" Radius, Add</i>	6.88	
<i>For 48" Radius, Add</i>	9.14	
26 05 33 13-2224 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	72.89	10.20
<i>For Work In Restricted Working Space, Add</i>	7.64	
<i>For 24" Radius, Add</i>	4.83	
<i>For 36" Radius, Add</i>	7.29	
<i>For 48" Radius, Add</i>	9.75	
26 05 33 13-2225 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	77.00	11.65
<i>For Work In Restricted Working Space, Add</i>	8.74	
<i>For 24" Radius, Add</i>	5.05	
<i>For 36" Radius, Add</i>	7.70	
<i>For 48" Radius, Add</i>	10.35	
26 05 33 13-2226 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	81.12	13.10
<i>For Work In Restricted Working Space, Add</i>	9.83	
<i>For 24" Radius, Add</i>	5.26	
<i>For 36" Radius, Add</i>	8.11	
<i>For 48" Radius, Add</i>	10.96	
26 05 33 13-2227 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	91.42	14.56
<i>For Work In Restricted Working Space, Add</i>	10.92	
<i>For 24" Radius, Add</i>	5.95	
<i>For 36" Radius, Add</i>	9.14	
<i>For 48" Radius, Add</i>	12.34	
26 05 33 13-2228 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	105.90	16.02
<i>For Work In Restricted Working Space, Add</i>	12.02	
<i>For 24" Radius, Add</i>	6.94	
<i>For 36" Radius, Add</i>	10.59	
<i>For 48" Radius, Add</i>	14.24	
26 05 33 13-2229 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	122.70	17.47
<i>For Work In Restricted Working Space, Add</i>	13.10	
<i>For 24" Radius, Add</i>	8.11	
<i>For 36" Radius, Add</i>	12.27	
<i>For 48" Radius, Add</i>	16.43	
26 05 33 13-2230 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	139.87	20.38
<i>For Work In Restricted Working Space, Add</i>	15.29	
<i>For 24" Radius, Add</i>	9.22	
<i>For 36" Radius, Add</i>	13.99	
<i>For 48" Radius, Add</i>	18.76	
26 05 33 13-2231 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	157.02	26.21
<i>For Work In Restricted Working Space, Add</i>	17.48	
<i>For 24" Radius, Add</i>	10.32	
<i>For 36" Radius, Add</i>	15.70	
<i>For 48" Radius, Add</i>	21.08	
26 05 33 13-2232 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	189.00	26.21
<i>For Work In Restricted Working Space, Add</i>	19.66	
<i>For 24" Radius, Add</i>	12.54	
<i>For 36" Radius, Add</i>	18.90	
<i>For 48" Radius, Add</i>	25.26	
26 05 33 13-2233 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	227.15	29.13
<i>For Work In Restricted Working Space, Add</i>	21.84	
<i>For 24" Radius, Add</i>	15.22	
<i>For 36" Radius, Add</i>	22.72	
<i>For 48" Radius, Add</i>	30.21	
26 05 33 13-2234 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings <small>(26 05 33 13-2207)</small>		
26 05 33 13-2235 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	27.56	4.08
<i>For Work In Restricted Working Space, Add</i>	3.06	
26 05 33 13-2236 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	30.99	4.66
<i>For Work In Restricted Working Space, Add</i>	3.50	
26 05 33 13-2237 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	32.64	5.24
<i>For Work In Restricted Working Space, Add</i>	3.93	
26 05 33 13-2238 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	34.26	5.83
<i>For Work In Restricted Working Space, Add</i>	4.37	
26 05 33 13-2239 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	36.12	6.41
<i>For Work In Restricted Working Space, Add</i>	4.81	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2240	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	41.41	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
26 05 33	13-2241	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	48.47	7.86
			<i>For Work In Restricted Working Space, Add</i>	5.90	
26 05 33	13-2242	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	56.42	8.73
			<i>For Work In Restricted Working Space, Add</i>	6.56	
26 05 33	13-2243	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	64.37	10.20
			<i>For Work In Restricted Working Space, Add</i>	7.64	
26 05 33	13-2244	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	72.34	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.74	
26 05 33	13-2245	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	86.78	13.10
			<i>For Work In Restricted Working Space, Add</i>	9.83	
26 05 33	13-2246	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	103.90	14.56
			<i>For Work In Restricted Working Space, Add</i>	10.92	
26 05 33 13-2247 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings <small>(26 05 33 13-2207)</small>					
26 05 33	13-2248	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	19.99	4.08
			<i>For Work In Restricted Working Space, Add</i>	3.06	
26 05 33	13-2249	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	22.53	4.66
			<i>For Work In Restricted Working Space, Add</i>	3.50	
26 05 33	13-2250	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	24.10	5.24
			<i>For Work In Restricted Working Space, Add</i>	3.93	
26 05 33	13-2251	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	25.67	5.83
			<i>For Work In Restricted Working Space, Add</i>	4.37	
26 05 33	13-2252	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	27.25	6.41
			<i>For Work In Restricted Working Space, Add</i>	4.81	
26 05 33	13-2253	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	28.76	6.99
			<i>For Work In Restricted Working Space, Add</i>	5.24	
26 05 33	13-2254	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	33.21	7.86
			<i>For Work In Restricted Working Space, Add</i>	5.90	
26 05 33	13-2255	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	38.12	8.73
			<i>For Work In Restricted Working Space, Add</i>	6.56	
26 05 33	13-2256	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	43.78	10.20
			<i>For Work In Restricted Working Space, Add</i>	7.64	
26 05 33	13-2257	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	49.46	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.74	
26 05 33	13-2258	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	58.20	13.10
			<i>For Work In Restricted Working Space, Add</i>	9.83	
26 05 33	13-2259	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	68.17	14.56
			<i>For Work In Restricted Working Space, Add</i>	10.92	
26 05 33 13-2260 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings <small>(26 05 33 13-2207)</small>					
26 05 33	13-2261	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	18.00	2.33
			<i>For Work In Restricted Working Space, Add</i>	1.75	
26 05 33	13-2262	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	20.08	2.62
			<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 33	13-2263	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	20.96	2.91
			<i>For Work In Restricted Working Space, Add</i>	2.18	
26 05 33	13-2264	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	21.77	3.21
			<i>For Work In Restricted Working Space, Add</i>	2.40	
26 05 33	13-2265	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	22.81	3.50
			<i>For Work In Restricted Working Space, Add</i>	2.62	
26 05 33	13-2266	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	26.96	4.08
			<i>For Work In Restricted Working Space, Add</i>	3.06	
26 05 33	13-2267	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	32.48	4.95
			<i>For Work In Restricted Working Space, Add</i>	3.71	
26 05 33	13-2268	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	38.68	5.83
			<i>For Work In Restricted Working Space, Add</i>	4.37	
26 05 33	13-2269	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	45.33	7.28
			<i>For Work In Restricted Working Space, Add</i>	5.46	
26 05 33	13-2270	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	51.99	8.73
			<i>For Work In Restricted Working Space, Add</i>	6.56	
26 05 33	13-2271	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	63.15	10.20
			<i>For Work In Restricted Working Space, Add</i>	7.64	
26 05 33	13-2272	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	76.23	11.65
			<i>For Work In Restricted Working Space, Add</i>	8.74	
26 05 33 13-2273 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints <small>(26 05 33 13-2207)</small>					
26 05 33	13-2274	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	49.82	14.56
			<i>For Work In Restricted Working Space, Add</i>	10.92	
26 05 33	13-2275	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	58.56	17.47
			<i>For Work In Restricted Working Space, Add</i>	13.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2276 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	66.02 15.29	20.38
26 05 33 13-2277 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	73.40 17.94	23.30
26 05 33 13-2278 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	77.38 18.57	24.75
26 05 33 13-2279 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	83.97 19.66	26.21
26 05 33 13-2280 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	91.30 20.75	27.67
26 05 33 13-2281 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	99.36 21.84	29.13
26 05 33 13-2282 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	106.32 22.94	30.58
26 05 33 13-2283 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	113.29 24.03	32.03
26 05 33 13-2284 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	125.22 25.12	33.50
26 05 33 13-2285 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	139.24 26.21	34.95
26 05 33 13-2286 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints <small>(26 05 33 13-2207)</small>		
26 05 33 13-2287 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	55.26 10.92	14.56
26 05 33 13-2288 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	64.67 13.10	17.47
26 05 33 13-2289 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	72.16 15.29	20.38
26 05 33 13-2290 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	79.60 17.48	23.30
26 05 33 13-2291 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	83.64 18.57	24.75
26 05 33 13-2292 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	91.11 19.66	26.21
26 05 33 13-2293 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	99.87 20.75	27.67
26 05 33 13-2294 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	109.65 21.84	29.13
26 05 33 13-2295 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	117.90 22.94	30.58
26 05 33 13-2296 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	126.16 24.03	32.03
26 05 33 13-2297 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	141.35 25.12	33.50
26 05 33 13-2298 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	159.40 26.21	34.95
26 05 33 13-2299 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters <small>(26 05 33 13-2207)</small>		
26 05 33 13-2300 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	55.06 3.06	4.08
26 05 33 13-2301 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	61.48 3.50	4.66
26 05 33 13-2302 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	64.46 3.93	5.24
26 05 33 13-2303 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	67.52 4.37	5.83
26 05 33 13-2304 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	69.80 4.81	6.41
26 05 33 13-2305 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	76.37 5.24	6.99
26 05 33 13-2306 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	90.35 5.90	7.86
26 05 33 13-2307 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	106.63 6.56	8.73
26 05 33 13-2308 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	135.12 8.74	11.65
26 05 33 13-2309 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	165.29 9.83	13.10
26 05 33 13-2310 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial <i>For Work In Restricted Working Space, Add</i>	201.02 10.92	14.56
26 05 33 13-2311 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints <small>(26 05 33 13-2207)</small>		
26 05 33 13-2312 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial <i>For Work In Restricted Working Space, Add</i>	64.74 10.92	14.56

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2313	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	75.17	17.47
			<i>For Work In Restricted Working Space, Add</i>	13.10	
26 05 33 13-2314	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	89.87	20.38
			<i>For Work In Restricted Working Space, Add</i>	15.29	
26 05 33 13-2315	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	110.70	23.30
			<i>For Work In Restricted Working Space, Add</i>	17.48	
26 05 33 13-2316	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	133.79	24.75
			<i>For Work In Restricted Working Space, Add</i>	18.57	
26 05 33 13-2317	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	172.10	26.21
			<i>For Work In Restricted Working Space, Add</i>	19.66	
26 05 33 13-2318	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	236.86	27.67
			<i>For Work In Restricted Working Space, Add</i>	20.75	
26 05 33 13-2319	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	280.74	29.13
			<i>For Work In Restricted Working Space, Add</i>	21.84	
26 05 33 13-2320	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	332.17	30.58
			<i>For Work In Restricted Working Space, Add</i>	22.94	
26 05 33 13-2321	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	383.62	32.03
			<i>For Work In Restricted Working Space, Add</i>	24.03	
26 05 33 13-2322	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	444.26	33.50
			<i>For Work In Restricted Working Space, Add</i>	25.12	
26 05 33 13-2323	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	699.44	34.95
			<i>For Work In Restricted Working Space, Add</i>	26.21	

26 05 33 13-2324**Spacers** (26 05 33 13-1912)

Note: For concrete encasement applications. See CSI section 03 31 13 00-0039 for concrete., 26 05 33 13-1912 for conduit.

26 05 33 13-2325	EA		1" Base Spacers, Average 4" Wide, Direct Burial	7.14	
26 05 33 13-2326	EA		1" Intermediate Spacers, Average 4" Wide, Direct Burial	8.10	
26 05 33 13-2327	EA		1-1/4" Base Spacer, Average 4" Wide, Direct Burial	8.97	
26 05 33 13-2328	EA		1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	9.68	
26 05 33 13-2329	EA		1-1/2" Base Spacer, Average 4" Wide, Direct Burial	9.03	
26 05 33 13-2330	EA		1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	9.73	
26 05 33 13-2331	EA		2" Base Spacer, Average 4" Wide, Direct Burial	11.26	
26 05 33 13-2332	EA		2" Intermediate Spacers, Average 4" Wide, Direct Burial	10.46	
26 05 33 13-2333	EA		2-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.46	
26 05 33 13-2334	EA		2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	12.04	
26 05 33 13-2335	EA		3" Base Spacer, Average 4" Wide, Direct Burial	14.28	
26 05 33 13-2336	EA		3" Intermediate Spacers, Average 4" Wide, Direct Burial	13.61	
26 05 33 13-2337	EA		3-1/2" Base Spacer, Average 4" Wide, Direct Burial	15.47	
26 05 33 13-2338	EA		3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.78	
26 05 33 13-2339	EA		4" Base Spacer, Average 4" Wide, Direct Burial	15.93	
26 05 33 13-2340	EA		4" Intermediate Spacers, Average 4" Wide, Direct Burial	15.20	
26 05 33 13-2341	EA		5" Base Spacer, Average 4" Wide, Direct Burial	17.61	
26 05 33 13-2342	EA		5" Intermediate Spacers, Average 4" Wide, Direct Burial	16.75	
26 05 33 13-2343	EA		6" Base Spacer, Average 4" Wide, Direct Burial	19.72	
26 05 33 13-2344	EA		6" Intermediate Spacers, Average 4" Wide, Direct Burial	19.00	

26 05 33 13-2345**Conduit Field Bending** (26 05 33 13-0040)**26 05 33 13-2346****Metallic Conduit Field Bending** (26 05 33 13-2346)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.

26 05 33 13-2347	EA		1-1/4" Metallic Conduit Field Bending	12.70	
26 05 33 13-2348	EA		1-1/2" Metallic Conduit Field Bending	16.93	
26 05 33 13-2349	EA		2" Metallic Conduit Field Bending	21.16	
26 05 33 13-2350	EA		2-1/2" Metallic Conduit Field Bending	29.63	
26 05 33 13-2351	EA		3" Metallic Conduit Field Bending	38.10	
26 05 33 13-2352	EA		3-1/2" Metallic Conduit Field Bending	46.56	
26 05 33 13-2353	EA		4" Metallic Conduit Field Bending	55.03	
26 05 33 13-2354	EA		5" Metallic Conduit Field Bending	67.73	
26 05 33 13-2355	EA		6" Metallic Conduit Field Bending	80.42	

26 05 33 13-2356**Plastic Conduit Field Bending** (26 05 33 13-2346)

Note: For PVC conduits.

26 05 33 13-2357	EA		1" Plastic Conduit Field Bending	19.47	
26 05 33 13-2358	EA		1-1/4" Plastic Conduit Field Bending	21.16	
26 05 33 13-2359	EA		1-1/2" Plastic Conduit Field Bending	25.39	
26 05 33 13-2360	EA		2" Plastic Conduit Field Bending	33.86	
26 05 33 13-2361	EA		2-1/2" Plastic Conduit Field Bending	42.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2362 EA 3" Plastic Conduit Field Bending.....	50.80	
26 05 33 13-2363 EA 3-1/2" Plastic Conduit Field Bending.....	59.26	
26 05 33 13-2364 EA 4" Plastic Conduit Field Bending.....	67.73	
26 05 33 13-2365 EA 5" Plastic Conduit Field Bending.....	76.19	
26 05 33 13-2366 EA 6" Plastic Conduit Field Bending.....	84.66	
 26 05 33 13-2367 Cut And Thread Existing In-Place Threaded Conduit <small>(26 05 33 13-0040)</small>		
<small>Note: For use when connecting conduit to an existing in-place system.</small>		
26 05 33 13-2368 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit.....	24.73	
<i>For Work In Restricted Working Space, Add</i>	7.42	
26 05 33 13-2369 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit.....	27.21	
<i>For Work In Restricted Working Space, Add</i>	8.16	
26 05 33 13-2370 EA 1", Cut And Thread Existing In-Place Threaded Conduit.....	29.68	
<i>For Work In Restricted Working Space, Add</i>	8.90	
26 05 33 13-2371 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit.....	32.15	
<i>For Work In Restricted Working Space, Add</i>	9.65	
26 05 33 13-2372 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	33.79	
<i>For Work In Restricted Working Space, Add</i>	10.14	
26 05 33 13-2373 EA 2", Cut And Thread Existing In-Place Threaded Conduit.....	35.45	
<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-2374 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	37.10	
<i>For Work In Restricted Working Space, Add</i>	11.13	
26 05 33 13-2375 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	38.74	
<i>For Work In Restricted Working Space, Add</i>	11.62	
26 05 33 13-2376 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	39.56	
<i>For Work In Restricted Working Space, Add</i>	11.87	
26 05 33 13-2377 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	40.39	
<i>For Work In Restricted Working Space, Add</i>	12.12	
26 05 33 13-2378 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	42.03	
<i>For Work In Restricted Working Space, Add</i>	12.61	
26 05 33 13-2379 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	43.69	
<i>For Work In Restricted Working Space, Add</i>	13.11	
 26 05 33 13-2380 Conduit Bodies <small>(26 05 33 13-0040)</small>		
26 05 33 13-2381 Threaded, Cast Aluminum Conduit Body <small>(26 05 33 13-2380)</small>		
26 05 33 13-2382 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body <small>(26 05 33 13-2381)</small>		
26 05 33 13-2383 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	43.01	14.45
<i>For Mogul LB, Add</i>	3.37	
<i>For Work In Restricted Working Space, Add</i>	10.83	
<i>For Installation Above 14', Add</i>	5.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.83	
26 05 33 13-2384 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	50.75	16.55
<i>For Mogul LB, Add</i>	4.96	
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-2385 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	61.48	19.26
<i>For Mogul LB, Add</i>	7.60	
<i>For Work In Restricted Working Space, Add</i>	14.44	
<i>For Installation Above 14', Add</i>	7.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.44	
26 05 33 13-2386 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	74.84	21.97
<i>For Mogul LB, Add</i>	12.19	
<i>For Work In Restricted Working Space, Add</i>	16.48	
<i>For Installation Above 14', Add</i>	8.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-2387 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	85.89	24.07
<i>For Mogul LB, Add</i>	16.27	
<i>For Work In Restricted Working Space, Add</i>	18.06	
<i>For Installation Above 14', Add</i>	9.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06	
26 05 33 13-2388 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	113.74	28.88
<i>For Mogul LB, Add</i>	27.52	
<i>For Work In Restricted Working Space, Add</i>	21.67	
<i>For Installation Above 14', Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.67	
26 05 33 13-2389 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	193.43	40.63
<i>For Mogul LB, Add</i>	63.82	
<i>For Work In Restricted Working Space, Add</i>	30.47	
<i>For Installation Above 14', Add</i>	15.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.47	
26 05 33 13-2390 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	254.04	54.17
<i>For Mogul LB, Add</i>	82.19	
<i>For Work In Restricted Working Space, Add</i>	40.63	
<i>For Installation Above 14', Add</i>	20.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.63	
26 05 33 13-2391 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	338.93	67.71
<i>For Mogul LB, Add</i>	118.77	
<i>For Work In Restricted Working Space, Add</i>	50.78	
<i>For Installation Above 14', Add</i>	25.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.78	

26 Electrical
26 05 Common Work Results For Electrical
26 05 33 Raceway And Boxes For Electrical Systems



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2392	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	441.87 166.50 61.84 30.92 61.84	82.45
26 05 33 13-2393 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2391)</small>					
26 05 33	13-2394	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.85 4.00 10.83 5.42 10.83	14.45
26 05 33	13-2395	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.57 5.57 12.41 6.21 12.41	16.55
26 05 33	13-2396	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.13 8.84 14.44 7.22 14.44	19.26
26 05 33	13-2397	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.85 13.70 16.48 8.24 16.48	21.97
26 05 33	13-2398	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.31 18.83 18.06 9.03 18.06	24.07
26 05 33	13-2399	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.08 33.03 21.67 10.83 21.67	28.88
26 05 33	13-2400	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.73 61.05 30.47 15.23 30.47	40.63
26 05 33	13-2401	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.59 72.86 40.63 20.31 40.63	54.17
26 05 33	13-2402	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.54 126.73 50.78 25.39 50.78	67.71
26 05 33	13-2403	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	463.56 182.77 61.84 30.92 61.84	82.45
26 05 33 13-2404 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2391)</small>					
26 05 33	13-2405	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.53 12.41 6.21 12.41	16.55
26 05 33	13-2406	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.92 14.44 7.22 14.44	19.26
26 05 33	13-2407	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.34 15.80 7.90 15.80	21.06
26 05 33	13-2408	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.46 18.06 9.03 18.06	24.07
26 05 33	13-2409	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Installation Above 14', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.04 19.86 9.93 19.86	26.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2410 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	133.66	31.00
<i>For Work In Restricted Working Space, Add</i>	23.25	
<i>For Installation Above 14', Add</i>	11.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.25	
26 05 33 13-2411 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	212.10	45.14
<i>For Work In Restricted Working Space, Add</i>	33.86	
<i>For Installation Above 14', Add</i>	16.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.86	
26 05 33 13-2412 EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	273.93	58.68
<i>For Work In Restricted Working Space, Add</i>	44.01	
<i>For Installation Above 14', Add</i>	22.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.01	
26 05 33 13-2413 EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	444.81	72.23
<i>For Work In Restricted Working Space, Add</i>	54.17	
<i>For Installation Above 14', Add</i>	27.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.17	
26 05 33 13-2414 EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	508.37	86.97
<i>For Work In Restricted Working Space, Add</i>	65.23	
<i>For Installation Above 14', Add</i>	32.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.23	
26 05 33 13-2415 Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2381)</small>		
26 05 33 13-2416 EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	44.02	14.45
<i>For Work In Restricted Working Space, Add</i>	10.83	
<i>For Installation Above 14', Add</i>	5.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.83	
26 05 33 13-2417 EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	50.99	16.55
<i>For Work In Restricted Working Space, Add</i>	12.41	
<i>For Installation Above 14', Add</i>	6.21	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.41	
26 05 33 13-2418 EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	61.71	18.96
<i>For Work In Restricted Working Space, Add</i>	14.22	
<i>For Installation Above 14', Add</i>	7.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.22	
26 05 33 13-2419 EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	76.05	21.97
<i>For Work In Restricted Working Space, Add</i>	16.48	
<i>For Installation Above 14', Add</i>	8.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.48	
26 05 33 13-2420 EA 1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	85.33	24.07
<i>For Work In Restricted Working Space, Add</i>	18.06	
<i>For Installation Above 14', Add</i>	9.03	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.06	
26 05 33 13-2421 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	113.80	28.88
<i>For Work In Restricted Working Space, Add</i>	21.67	
<i>For Installation Above 14', Add</i>	10.83	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.67	
26 05 33 13-2422 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	186.61	40.63
<i>For Work In Restricted Working Space, Add</i>	30.47	
<i>For Installation Above 14', Add</i>	15.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.47	
26 05 33 13-2423 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	239.60	54.17
<i>For Work In Restricted Working Space, Add</i>	40.63	
<i>For Installation Above 14', Add</i>	20.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.63	
26 05 33 13-2424 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	343.16	67.71
<i>For Work In Restricted Working Space, Add</i>	50.78	
<i>For Installation Above 14', Add</i>	25.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.78	
26 05 33 13-2425 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	443.86	82.45
<i>For Work In Restricted Working Space, Add</i>	61.84	
<i>For Installation Above 14', Add</i>	30.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.84	
26 05 33 13-2426 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2381)</small>		
26 05 33 13-2427 EA 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	58.62	18.96
<i>For Work In Restricted Working Space, Add</i>	14.22	
<i>For Installation Above 14', Add</i>	7.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.22	
26 05 33 13-2428 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	67.86	21.06
<i>For Work In Restricted Working Space, Add</i>	15.80	
<i>For Installation Above 14', Add</i>	7.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.80	
26 05 33 13-2429 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	83.63	23.17
<i>For Work In Restricted Working Space, Add</i>	17.38	
<i>For Installation Above 14', Add</i>	8.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.38	
26 05 33 13-2430 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	96.46	26.48
<i>For Work In Restricted Working Space, Add</i>	19.86	
<i>For Installation Above 14', Add</i>	9.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.86	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2431 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	125.23	28.88
For Work In Restricted Working Space, Add	21.67	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	
26 05 33 13-2432 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	151.28	35.51
For Work In Restricted Working Space, Add	26.63	
For Installation Above 14', Add	13.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.63	
26 05 33 13-2433 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	285.23	52.06
For Work In Restricted Working Space, Add	39.05	
For Installation Above 14', Add	19.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.05	
26 05 33 13-2434 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	350.94	67.71
For Work In Restricted Working Space, Add	50.78	
For Installation Above 14', Add	25.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.78	
26 05 33 13-2435 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	503.64	83.66
For Work In Restricted Working Space, Add	63.20	
For Installation Above 14', Add	31.60	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	63.20	
26 05 33 13-2436 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	608.70	100.51
For Work In Restricted Working Space, Add	75.38	
For Installation Above 14', Add	37.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.38	
26 05 33 13-2437 Threaded, Malleable Iron Conduit Body <small>(26 05 33 13-2380)</small>		
26 05 33 13-2438 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2437)</small>		
26 05 33 13-2439 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	45.36	14.45
For Work In Restricted Working Space, Add	10.83	
For Installation Above 14', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.83	
26 05 33 13-2440 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	52.72	16.55
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-2441 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	65.04	19.26
For Work In Restricted Working Space, Add	14.44	
For Installation Above 14', Add	7.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 33 13-2442 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	85.24	21.97
For Work In Restricted Working Space, Add	16.48	
For Installation Above 14', Add	8.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.48	
26 05 33 13-2443 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	97.38	24.07
For Work In Restricted Working Space, Add	18.06	
For Installation Above 14', Add	9.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.06	
26 05 33 13-2444 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	134.47	28.88
For Work In Restricted Working Space, Add	21.67	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	
26 05 33 13-2445 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	228.97	40.63
For Work In Restricted Working Space, Add	30.47	
For Installation Above 14', Add	15.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.47	
26 05 33 13-2446 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	325.47	54.17
For Work In Restricted Working Space, Add	40.63	
For Installation Above 14', Add	20.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.63	
26 05 33 13-2447 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	450.64	67.71
For Work In Restricted Working Space, Add	50.78	
For Installation Above 14', Add	25.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.78	
26 05 33 13-2448 EA 4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	538.85	82.45
For Work In Restricted Working Space, Add	61.84	
For Installation Above 14', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.84	
26 05 33 13-2449 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2437)</small>		
26 05 33 13-2450 EA 1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	47.50	14.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.83	
26 05 33 13-2451 EA 3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	53.35	16.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-2452 EA 1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	68.31	19.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.44	
26 05 33 13-2453 EA 1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	87.43	21.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.48	
26 05 33 13-2454 EA 1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	100.06	24.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.06	
26 05 33 13-2455 EA 2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	128.97	28.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2456 EA 2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	198.42	40.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.47	
26 05 33 13-2457 EA 3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	270.54	54.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.63	
26 05 33 13-2458 EA 3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	482.99	67.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.78	
26 05 33 13-2459 EA 4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	562.71	82.45
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.84	
26 05 33 13-2460 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2437)</small>		
26 05 33 13-2461 EA 1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	56.65	16.55
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-2462 EA 3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	66.76	19.26
For Work In Restricted Working Space, Add	14.67	
For Installation Above 14', Add	7.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.67	
26 05 33 13-2463 EA 1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	79.68	21.06
For Work In Restricted Working Space, Add	15.80	
For Installation Above 14', Add	7.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.80	
26 05 33 13-2464 EA 1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	101.28	24.07
For Work In Restricted Working Space, Add	17.83	
For Installation Above 14', Add	8.91	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.83	
26 05 33 13-2465 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	116.49	26.48
For Work In Restricted Working Space, Add	19.86	
For Installation Above 14', Add	9.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.86	
26 05 33 13-2466 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	156.28	31.00
For Work In Restricted Working Space, Add	23.25	
For Installation Above 14', Add	11.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.25	
26 05 33 13-2467 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	195.51	45.14
For Work In Restricted Working Space, Add	33.86	
For Installation Above 14', Add	16.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.86	
26 05 33 13-2468 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	284.06	58.68
For Work In Restricted Working Space, Add	44.01	
For Installation Above 14', Add	22.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.01	
26 05 33 13-2469 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	509.21	72.23
For Work In Restricted Working Space, Add	54.17	
For Installation Above 14', Add	27.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.17	
26 05 33 13-2470 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	587.65	86.97
For Work In Restricted Working Space, Add	65.45	
For Installation Above 14', Add	32.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	65.45	
26 05 33 13-2471 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2437)</small>		
26 05 33 13-2472 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	45.52	14.45
For Work In Restricted Working Space, Add	10.83	
For Installation Above 14', Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.83	
26 05 33 13-2473 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	55.49	16.55
For Work In Restricted Working Space, Add	12.41	
For Installation Above 14', Add	6.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.41	
26 05 33 13-2474 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	65.07	18.96
For Work In Restricted Working Space, Add	14.22	
For Installation Above 14', Add	7.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22	
26 05 33 13-2475 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	89.27	21.97
For Work In Restricted Working Space, Add	16.48	
For Installation Above 14', Add	8.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.48	
26 05 33 13-2476 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	104.94	24.07
For Work In Restricted Working Space, Add	18.06	
For Installation Above 14', Add	9.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.06	
26 05 33 13-2477 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	136.63	28.88
For Work In Restricted Working Space, Add	21.67	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	
26 05 33 13-2478 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	301.13	76.21
For Work In Restricted Working Space, Add	57.13	
For Installation Above 14', Add	28.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.13	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2479 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	293.61	54.17
For Work In Restricted Working Space, Add	40.63	
For Installation Above 14', Add	20.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.63	
26 05 33 13-2480 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	482.99	67.71
For Work In Restricted Working Space, Add	50.78	
For Installation Above 14', Add	25.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.78	
26 05 33 13-2481 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	562.70	82.45
For Work In Restricted Working Space, Add	61.84	
For Installation Above 14', Add	30.92	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	61.84	
26 05 33 13-2482 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-2437)</small>		
EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	64.32	18.96
For Work In Restricted Working Space, Add	14.22	
For Installation Above 14', Add	7.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.22	
26 05 33 13-2484 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	70.23	21.06
For Work In Restricted Working Space, Add	15.80	
For Installation Above 14', Add	7.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.80	
26 05 33 13-2485 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	82.03	23.17
For Work In Restricted Working Space, Add	17.38	
For Installation Above 14', Add	8.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.38	
26 05 33 13-2486 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	98.02	26.48
For Work In Restricted Working Space, Add	19.86	
For Installation Above 14', Add	9.93	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.86	
26 05 33 13-2487 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	113.75	28.88
For Work In Restricted Working Space, Add	21.67	
For Installation Above 14', Add	10.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.67	
26 05 33 13-2488 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	161.06	35.51
For Work In Restricted Working Space, Add	26.63	
For Installation Above 14', Add	13.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	26.63	
26 05 33 13-2489 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	259.21	52.06
For Work In Restricted Working Space, Add	39.05	
For Installation Above 14', Add	19.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.05	
26 05 33 13-2490 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	383.73	67.71
For Work In Restricted Working Space, Add	50.78	
For Installation Above 14', Add	25.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	50.78	
26 05 33 13-2491 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	579.99	83.66
For Work In Restricted Working Space, Add	62.75	
For Installation Above 14', Add	31.37	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.75	
26 05 33 13-2492 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	645.02	100.51
For Work In Restricted Working Space, Add	75.38	
For Installation Above 14', Add	37.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.38	
26 05 33 13-2493 Set Screw, Cast Aluminum Conduit Body <small>(26 05 33 13-2380)</small>		
26 05 33 13-2494 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2493)</small>		
EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	22.33	5.71
For Work In Restricted Working Space, Add	4.29	
For Installation Above 14', Add	2.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.29	
26 05 33 13-2496 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	28.46	7.52
For Work In Restricted Working Space, Add	5.64	
For Installation Above 14', Add	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.64	
26 05 33 13-2497 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	38.90	9.32
For Work In Restricted Working Space, Add	7.00	
For Installation Above 14', Add	3.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.00	
26 05 33 13-2498 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	50.74	11.44
For Work In Restricted Working Space, Add	8.57	
For Installation Above 14', Add	4.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.57	
26 05 33 13-2499 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	67.58	13.24
For Work In Restricted Working Space, Add	9.93	
For Installation Above 14', Add	4.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.93	
26 05 33 13-2500 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	90.67	15.05
For Work In Restricted Working Space, Add	11.29	
For Installation Above 14', Add	5.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.29	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 33	13-2501		Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2493)</small>		
	26 05 33	13-2502	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....22.55		5.71
				<i>For Work In Restricted Working Space, Add</i>	4.29	
				<i>For Installation Above 14', Add</i>	2.15	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
	26 05 33	13-2503	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....29.31		7.52
				<i>For Work In Restricted Working Space, Add</i>	5.64	
				<i>For Installation Above 14', Add</i>	2.82	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
	26 05 33	13-2504	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....35.95		9.32
				<i>For Work In Restricted Working Space, Add</i>	7.00	
				<i>For Installation Above 14', Add</i>	3.50	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
	26 05 33	13-2505	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....50.49		11.44
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Installation Above 14', Add</i>	4.29	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
	26 05 33	13-2506	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....62.68		13.24
				<i>For Work In Restricted Working Space, Add</i>	9.93	
				<i>For Installation Above 14', Add</i>	4.97	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
	26 05 33	13-2507	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....90.25		15.05
				<i>For Work In Restricted Working Space, Add</i>	11.29	
				<i>For Installation Above 14', Add</i>	5.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	
	26 05 33	13-2508		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2493)</small>		
	26 05 33	13-2509	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....28.92		7.52
				<i>For Work In Restricted Working Space, Add</i>	5.64	
				<i>For Installation Above 14', Add</i>	2.82	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
	26 05 33	13-2510	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....37.89		9.32
				<i>For Work In Restricted Working Space, Add</i>	7.00	
				<i>For Installation Above 14', Add</i>	3.50	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
	26 05 33	13-2511	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....45.61		11.44
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Installation Above 14', Add</i>	4.29	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
	26 05 33	13-2512	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....64.01		13.24
				<i>For Work In Restricted Working Space, Add</i>	10.38	
				<i>For Installation Above 14', Add</i>	5.19	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.38	
	26 05 33	13-2513	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....82.77		15.05
				<i>For Work In Restricted Working Space, Add</i>	12.19	
				<i>For Installation Above 14', Add</i>	6.09	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.19	
	26 05 33	13-2514	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....112.86		16.85
				<i>For Work In Restricted Working Space, Add</i>	13.99	
				<i>For Installation Above 14', Add</i>	7.00	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.99	
	26 05 33	13-2515		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2493)</small>		
	26 05 33	13-2516	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....23.27		5.71
				<i>For Work In Restricted Working Space, Add</i>	4.29	
				<i>For Installation Above 14', Add</i>	2.15	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.29	
	26 05 33	13-2517	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....31.19		7.52
				<i>For Work In Restricted Working Space, Add</i>	5.64	
				<i>For Installation Above 14', Add</i>	2.82	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.64	
	26 05 33	13-2518	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....39.97		9.32
				<i>For Work In Restricted Working Space, Add</i>	7.00	
				<i>For Installation Above 14', Add</i>	3.50	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.00	
	26 05 33	13-2519	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....52.02		11.44
				<i>For Work In Restricted Working Space, Add</i>	8.57	
				<i>For Installation Above 14', Add</i>	4.29	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.57	
	26 05 33	13-2520	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....35.65		13.24
				<i>For Work In Restricted Working Space, Add</i>	9.93	
				<i>For Installation Above 14', Add</i>	4.97	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.93	
	26 05 33	13-2521	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....98.43		15.05
				<i>For Work In Restricted Working Space, Add</i>	11.29	
				<i>For Installation Above 14', Add</i>	5.64	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.29	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2522		Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-2380)		
26 05 33	13-2523	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120) .....91.63	91.63	16.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....12.37		
26 05 33	13-2524	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250) .....324.01	324.01	30.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....22.86		
26 05 33	13-2525	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....625.15	625.15	61.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> .....46.38		
26 05 33	13-2526		Replacement Covers And Gaskets For Conduit Body (26 05 33 13-2380)		
26 05 33	13-2527		Replacement Stamped Aluminum Conduit Body Cover (26 05 33 13-2526)		
26 05 33	13-2528		1/2" Replacement Stamped Aluminum Conduit Body Cover .....8.13	8.13	2.94
26 05 33	13-2529		3/4" Replacement Stamped Aluminum Conduit Body Cover .....10.01	10.01	3.42
26 05 33	13-2530		1" Replacement Stamped Aluminum Conduit Body Cover .....12.81	12.81	4.40
26 05 33	13-2531		1-1/4" Replacement Stamped Aluminum Conduit Body Cover .....15.59	15.59	5.38
26 05 33	13-2532		1-1/2" Replacement Stamped Aluminum Conduit Body Cover .....19.25	19.25	6.36
26 05 33	13-2533		2" Replacement Stamped Aluminum Conduit Body Cover .....22.91	22.91	7.34
26 05 33	13-2534		2-1/2" Replacement Stamped Aluminum Conduit Body Cover .....30.87	30.87	8.31
26 05 33	13-2535		3" Replacement Stamped Aluminum Conduit Body Cover .....39.40	39.40	11.74
26 05 33	13-2536		3-1/2" Replacement Stamped Aluminum Conduit Body Cover .....42.74	42.74	13.20
26 05 33	13-2537		4" Replacement Stamped Aluminum Conduit Body Cover .....53.87	53.87	16.62
26 05 33	13-2538		Replacement Cast Steel Conduit Body Cover (26 05 33 13-2526)		
26 05 33	13-2539		1/2" Replacement Cast Steel Conduit Body Cover .....9.67	9.67	2.94
26 05 33	13-2540		3/4" Replacement Cast Steel Conduit Body Cover .....11.35	11.35	3.42
26 05 33	13-2541		1" Replacement Cast Steel Conduit Body Cover .....16.12	16.12	4.40
26 05 33	13-2542		1-1/4" Replacement Cast Steel Conduit Body Cover .....20.07	20.07	5.38
26 05 33	13-2543		1-1/2" Replacement Cast Steel Conduit Body Cover .....24.47	24.47	6.36
26 05 33	13-2544		2" Replacement Cast Steel Conduit Body Cover .....28.88	28.88	7.34
26 05 33	13-2545		2-1/2" Replacement Cast Steel Conduit Body Cover .....33.24	33.24	8.31
26 05 33	13-2546		3" Replacement Cast Steel Conduit Body Cover .....45.00	45.00	11.74
26 05 33	13-2547		3-1/2" Replacement Cast Steel Conduit Body Cover .....51.56	51.56	13.20
26 05 33	13-2548		4" Replacement Cast Steel Conduit Body Cover .....65.03	65.03	16.62
26 05 33	13-2549		Replacement Velbuna Composition Conduit Body Gasket (26 05 33 13-2526)		
26 05 33	13-2550		1/2" Replacement Velbuna Composition Conduit Body Gasket.....7.44	7.44	2.94
26 05 33	13-2551		3/4" Replacement Velbuna Composition Conduit Body Gasket .....8.47	8.47	3.42
26 05 33	13-2552		1" Replacement Velbuna Composition Conduit Body Gasket.....11.09	11.09	4.40
26 05 33	13-2553		1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....14.55	14.55	5.38
26 05 33	13-2554		1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....16.50	16.50	6.36
26 05 33	13-2555		2" Replacement Velbuna Composition Conduit Body Gasket.....19.73	19.73	7.34
26 05 33	13-2556		2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....26.52	26.52	8.31
26 05 33	13-2557		3" Replacement Velbuna Composition Conduit Body Gasket.....33.97	33.97	11.74
26 05 33	13-2558		3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....37.60	37.60	13.20
26 05 33	13-2559		4" Replacement Velbuna Composition Conduit Body Gasket.....44.38	44.38	16.62
26 05 33	13-2560		Replacement Neoprene Conduit Body Gasket (26 05 33 13-2526)		
26 05 33	13-2561		1/2" Replacement Neoprene Conduit Body Gasket .....8.51	8.51	2.94
26 05 33	13-2562		3/4" Replacement Neoprene Conduit Body Gasket .....9.49	9.49	3.42
26 05 33	13-2563		1" Replacement Neoprene Conduit Body Gasket .....12.43	12.43	4.40
26 05 33	13-2564		1-1/4" Replacement Neoprene Conduit Body Gasket .....15.23	15.23	5.38
26 05 33	13-2565		1-1/2" Replacement Neoprene Conduit Body Gasket .....17.18	17.18	6.36
26 05 33	13-2566		2" Replacement Neoprene Conduit Body Gasket .....19.80	19.80	7.34
26 05 33	13-2567		2-1/2" Replacement Neoprene Conduit Body Gasket .....26.69	26.69	8.31
26 05 33	13-2568		3" Replacement Neoprene Conduit Body Gasket .....34.14	34.14	11.74
26 05 33	13-2569		3-1/2" Replacement Neoprene Conduit Body Gasket .....38.74	38.74	13.20
26 05 33	13-2570		4" Replacement Neoprene Conduit Body Gasket .....45.52	45.52	16.62
26 05 33	16		Boxes For Electrical Systems (26 05 33)		
			See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33	16-0001		Steel Junction, Device, And Fixture Boxes, Rings And Covers (26 05 33 16)		
			Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0108 for steel box/switch assemblies.		
26 05 33	16-0002		4" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33	16-0003	EA	1-1/2" Depth, 4" Square Steel Box .....26.58	26.58	12.35
			<i>For Stud Bracket, Add</i> .....0.46		
26 05 33	16-0004	EA	2-1/8" Depth, 4" Square Steel Box .....27.43	27.43	12.35
			<i>For Stud Bracket, Add</i> .....0.83		
26 05 33	16-0005	EA	3-1/2" Depth, 4" Square Steel Box .....30.38	30.38	12.35
			<i>For Stud Bracket, Add</i> .....0.91		
26 05 33	16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring .....20.66	20.66	8.23
26 05 33	16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring .....17.68	17.68	8.23
26 05 33	16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring .....9.13	9.13	4.12



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0009	EA			5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.27	4.12
26 05 33 16-0010	EA			3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.37	4.12
26 05 33 16-0011	EA			1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.68	4.12
26 05 33 16-0012	EA			1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	9.78	4.12
26 05 33 16-0013	EA			1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.80	4.12
26 05 33 16-0014	EA			1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.52	4.12
26 05 33 16-0015	EA			5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.61	4.12
26 05 33 16-0016	EA			3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	9.74	4.12
26 05 33 16-0017	EA			1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.78	4.12
26 05 33 16-0018	EA			1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	10.99	4.12
26 05 33 16-0019	EA			1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.32	4.12
26 05 33 16-0020	EA			3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	10.02	4.12
26 05 33 16-0021	EA			1" Depth, Fixture Cover, 4" Square Mud Rings.....	10.87	4.12
26 05 33 16-0022	EA			One Toggle Switch, 4" Square Steel Exposed Work Cover.....	9.50	4.12
26 05 33 16-0023	EA			Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	9.58	4.12
26 05 33 16-0024	EA			One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	9.48	4.12
26 05 33 16-0025	EA			Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	9.71	4.12
26 05 33 16-0026	EA			One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	9.89	4.12
26 05 33 16-0027	EA			One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.23	4.12
26 05 33 16-0028	EA			One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	9.86	4.12
26 05 33 16-0029	EA			Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	12.23	4.12
26 05 33 16-0030	EA			One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	9.86	4.12
26 05 33 16-0031	EA			One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	10.41	4.12
26 05 33 16-0032	EA			One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.23	4.12
26 05 33 16-0033	EA			One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.23	4.12
26 05 33 16-0034	EA			Flat, 4" Square Steel Exposed Work Cover.....	8.83	4.12
26 05 33 16-0035				4-11/16" Square Steel Boxes, Rings And Covers (26 05 33 16-0001)		
26 05 33 16-0036	EA			1-1/2" Depth, 4-11/16" Square Steel Box.....	29.75	12.35
26 05 33 16-0037	EA			2-1/8" Depth, 4-11/16" Square Steel Box.....	27.81	12.35
				<i>For Stud Bracket, Add</i>	0.44	
26 05 33 16-0038	EA			3-1/4" Depth, 4-11/16" Square Steel Box.....	37.55	12.35
26 05 33 16-0039	EA			1-1/2" Depth, 4-11/16" Square Extension Ring.....	21.47	8.23
26 05 33 16-0040	EA			2-1/8" Depth, 4-11/16" Square Extension Ring.....	21.94	8.23
26 05 33 16-0041	EA			1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.07	4.12
26 05 33 16-0042	EA			5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.09	4.12
26 05 33 16-0043	EA			3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.92	4.12
26 05 33 16-0044	EA			1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.59	4.12
26 05 33 16-0045	EA			1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	11.51	4.12
26 05 33 16-0046	EA			1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.95	4.12
26 05 33 16-0047	EA			1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.73	4.12
26 05 33 16-0048	EA			5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.91	4.12
26 05 33 16-0049	EA			3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	11.92	4.12
26 05 33 16-0050	EA			1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.14	4.12
26 05 33 16-0051	EA			1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	13.39	4.12
26 05 33 16-0052	EA			1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.34	4.12
26 05 33 16-0053	EA			1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	11.57	4.12
26 05 33 16-0054	EA			5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	11.65	4.12
26 05 33 16-0055	EA			One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	13.94	4.12
26 05 33 16-0056	EA			Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	14.58	4.12
26 05 33 16-0057	EA			One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	13.75	4.12
26 05 33 16-0058	EA			Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	13.05	4.12
26 05 33 16-0059	EA			One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	15.38	4.12
26 05 33 16-0060	EA			One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	14.57	4.12
26 05 33 16-0061	EA			One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	14.57	4.12
26 05 33 16-0062	EA			One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	14.57	4.12
26 05 33 16-0063	EA			Flat, 4-11/16" Square Steel Exposed Work Cover.....	9.36	4.12
26 05 33 16-0064				Steel Square Box Brackets (26 05 33 16-0001)		
26 05 33 16-0065	EA			16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	13.24	6.18
26 05 33 16-0066	EA			Single Box Bracket, One 4" Or 4-11/16" Square Box.....	9.58	4.13
26 05 33 16-0067	EA			16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	15.31	6.18
26 05 33 16-0068	EA			24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	16.37	6.18
26 05 33 16-0069				4" Octagon Steel Boxes And Covers (26 05 33 16-0001)		
26 05 33 16-0070	EA			1-1/2" Depth, 4" Steel Octagon Box.....	22.13	10.28
				<i>For Stud Bracket, Add</i>	1.13	
26 05 33 16-0071	EA			2-1/8" Depth, 4" Steel Octagon Box.....	22.88	10.28
26 05 33 16-0072	EA			Flat, 4" Octagon Steel Exposed Work Cover.....	8.78	4.12
26 05 33 16-0073				4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)		
				<i>Note: Placed in concrete slabs or walls.</i>		
26 05 33 16-0074	EA			2" Depth, 4" Steel Octagonal Concrete Ring.....	36.30	
26 05 33 16-0075	EA			2-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	38.51	
26 05 33 16-0076	EA			3" Depth, 4" Steel Octagonal Concrete Ring.....	40.30	
26 05 33 16-0077	EA			3-1/2" Depth, 4" Steel Octagonal Concrete Ring.....	42.05	
26 05 33 16-0078	EA			4" Depth, 4" Steel Octagonal Concrete Ring.....	45.76	

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring.....	49.59	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring.....	52.63	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover.....	9.82	4.12
26 05 33 16-0082 4-1/2" Steel Gang Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	32.75	10.28
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	35.94	11.10
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	43.05	12.35
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	55.79	13.58
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box.....	81.89	14.81
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	44.33	10.28
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	48.28	11.10
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	63.89	12.35
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	81.70	13.58
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box.....	133.14	14.81
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	14.25	4.12
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	14.45	4.12
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	16.68	4.12
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	20.52	4.12
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	28.94	4.12
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover.....	12.34	4.12
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover.....	14.43	4.12
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover.....	17.20	4.12
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover.....	20.73	4.12
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover.....	29.53	4.12
26 05 33 16-0103 Steel Switch Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	23.57	10.28
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	23.89	10.28
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box.....	25.57	10.28
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box.....	29.32	10.28
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box.....	29.65	10.28
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box.....	34.74	10.28
26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers <small>(26 05 33 16-0001)</small>		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	22.04	10.28
For Stud Bracket, Add	1.81	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	22.39	10.28
For Stud Bracket, Add	0.78	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	23.16	10.28
For Stud Bracket, Add	1.06	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	14.45	6.17
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	14.11	6.17
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover.....	4.88	2.05
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	4.94	2.05
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	4.62	2.05
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	4.64	2.05
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.30	2.05
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover.....	4.64	2.05
26 05 33 16-0122 3"-1/2" Depth, 3-3/4" Steel Masonry Boxes <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	32.87	14.40
26 05 33 16-0124 EA 2 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	36.59	15.22
26 05 33 16-0125 EA 3 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	41.73	16.46
26 05 33 16-0126 EA 4 Device, 3"-1/2" Depth, 3-3/4" Steel Masonry Box.....	47.41	18.10
26 05 33 16-0127 Cast Boxes <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
26 05 33 16-0128 Cast Iron Alloy Boxes <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0237 for box covers.		
26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	70.47	24.69
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	75.94	28.80
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box.....	89.44	34.98
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	88.11	32.91
Note: Two hub.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box.....	112.59	39.09
Note: Two hub.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box.....	87.75	32.91
Note: Two hub.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	105.51	39.09
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	90.03	32.91
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	105.54	39.09
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	87.75	32.91
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box..... Note: Two hubs.	102.73	39.09
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	104.58	41.14
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	123.77	49.37
26 05 33 16-0143 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	108.95	41.14
26 05 33 16-0144 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	140.43	49.37
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	111.80	41.14
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	133.58	49.37
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	104.21	41.14
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box..... Note: Three hubs.	135.51	49.37
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	132.79	49.37
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box..... Note: Four hubs.	160.20	59.66
26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	73.69	24.69
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	84.87	28.80
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box..... Note: One hub.	99.74	34.98
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	93.99	32.91
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	108.54	39.09
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	130.45	47.32
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	116.56	39.09
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	149.93	49.37
26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	84.71	26.74
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	93.89	30.86
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box..... Note: One hub.	109.10	37.03
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	102.71	34.98
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	116.71	41.14
26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	94.37	26.74
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box..... Note: One hub.	102.97	30.86
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	117.25	34.98
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	132.07	41.14
26 05 33 16-0171 Cast Aluminum Boxes (26 05 33 16-0127) See CSI section 26 27 26 00-0237 for box covers.		
26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	62.24	20.58
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	71.31	24.69
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	79.36	30.86
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	58.49	20.58
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	73.95	24.69
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	79.06	28.80
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	95.00	34.98
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	119.18	43.21
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	85.58	28.80
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	91.83	34.98
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	81.87	28.80
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.04	34.98
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	79.48	28.80
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	94.04	34.98
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	73.95	28.80
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	99.92	34.98
26 05 33 16-0189 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	94.23	37.03
26 05 33 16-0190 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	114.50	45.26
26 05 33 16-0191 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	99.96	37.03
26 05 33 16-0192 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	134.35	45.26
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	99.48	37.03
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	122.05	45.26
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	123.75	45.26
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	121.30	45.26
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box..... Note: Four hubs.	148.07	55.55
26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	68.89	20.58
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	82.53	24.69
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	94.78	30.86
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	88.60	24.69
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	87.66	28.80
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	105.56	34.98
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	118.19	43.21
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box..... Note: Two hubs.	106.96	34.98
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	130.91	45.26
26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	82.31	22.63
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	94.29	26.74
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	101.40	32.91
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	102.97	30.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	105.21	37.03
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	129.94	45.26
26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	82.24	22.63
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	95.20	26.74
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	105.05	30.86
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	119.11	37.03
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	105.05	30.86
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	119.11	37.03
26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	110.28	32.91
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	123.80	39.09
26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171) Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	125.43	28.80
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	139.91	34.98
26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127) Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	129.90	32.91
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	160.91	37.03
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	147.36	41.14
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body.....	143.96	37.03
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA.....	175.43	41.14
26 05 33 16-0234 Non Metallic (PVC) Boxes (26 05 33 16) See CSI section 26 27 26 00-0237 for box covers.		
26 05 33 16-0235 Shallow, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	41.77	17.28
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	47.75	20.17
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non Metallic (PVC) Box Note: One hub.	54.50	24.49
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	53.51	23.04
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	62.89	27.36
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	76.29	33.12
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	53.70	23.04
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	62.38	27.36
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non Metallic (PVC) Box Note: Two hubs.	74.55	33.12
26 05 33 16-0245 EA 1/2" Depth, Type FS CC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	67.80	28.80
26 05 33 16-0246 EA 3/4" Depth, Type FS CC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	77.31	34.56
26 05 33 16-0247 EA 1" Depth, Type FS CC, Shallow, Single Gang Non Metallic (PVC) Box..... Note: Three hubs.	91.11	41.76
26 05 33 16-0248 Deep, Single Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non Metallic (PVC) Box Note: No hubs.	42.33	17.28
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	41.34	17.28

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	49.09	20.17
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non Metallic (PVC) Box Note: One hub.	55.05	24.49
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	54.62	23.04
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	61.45	27.36
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non Metallic (PVC) Box Note: Two hubs.	73.47	33.12
26 05 33 16-0256 Shallow, Two Gang Non Metallic (PVC) Boxes (26 05 33 16-0234)		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	44.94	18.72
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	51.50	21.60
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non Metallic (PVC) Box Note: One hub.	57.49	25.92
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	55.17	24.49
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	68.17	28.80
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	80.68	34.56
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	56.48	24.49
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	71.79	28.80
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non Metallic (PVC) Box Note: Two hubs.	77.78	34.56
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	69.07	30.24
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	90.74	36.00
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non Metallic (PVC) Box Note: Three hubs.	93.90	43.21
26 05 33 16-0269 Poke Thru Units (26 05 33 16)		
26 05 33 16-0270 Surface Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling. See CSI section 27 11 19 00-0123 for jacks.		
26 05 33 16-0271 EA Single 20 Amp Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	379.39	30.86
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Wiremold RC3KTCAL.	242.25	
26 05 33 16-0273 EA Replacement 20 Amp Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	33.10	8.23
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	40.57	4.12
26 05 33 16-0275 EA Four 20 Amp Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	429.29	32.91
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black nonmetallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	226.69	
26 05 33 16-0277 EA Replacement Two 20 Amp Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	56.91	12.35
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	40.57	4.12
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	118.61	8.23
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	339.41	28.80
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	28.07	4.12
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black nonmetallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	337.83	28.80
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	39.20	4.12
26 05 33 16-0284 Recessed Poke Thru Units (26 05 33 16-0269) Note: Excludes concrete drilling.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0285				Evolution 6AT Poke Thru Units <small>(26 05 33 16-0284)</small> Note: Excludes concrete drilling.		
26 05 33 16-0286	EA			Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.74	32.91
26 05 33 16-0287	EA			Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.81	32.91
26 05 33 16-0288	EA			Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.16	32.91
26 05 33 16-0289	EA			Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	543.16	32.91
26 05 33 16-0290	EA			Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.74	32.91
26 05 33 16-0291	EA			Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	569.74	32.91
26 05 33 16-0292	EA			Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2"-1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	520.66	32.91
26 05 33 16-0293	EA			Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	327.32	30.86
26 05 33 16-0294	EA			Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	350.83	30.86
26 05 33 16-0295	EA			Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	353.16	30.86
26 05 33 16-0296	EA			6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Nonmetallic sleeve attaches to structural decking and maintains 6"-6 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	100.77	16.46
26 05 33 16-0297	EA			Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	229.19	8.23
26 05 33 16-0298	EA			Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	229.19	8.23
26 05 33 16-0299	EA			Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2"-1 1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	190.64	8.23
26 05 33 16-0300	EA			Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	27.66	2.05
26 05 33 16-0301	EA			Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	13.82	4.12
26 05 33 16-0302	EA			Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.91	4.12
26 05 33 16-0303	EA			Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	13.76	4.12
26 05 33 16-0304	EA			Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20A receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	13.80	4.12
26 05 33 16-0305	EA			Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20A duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	13.71	4.12
26 05 33 16-0306	EA			Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	16.13	4.12
26 05 33 16-0307	EA			Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	15.96	4.12

26 Electrical**26 05 Common Work Results For Electrical****26 05 33 Raceway And Boxes For Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	16.34	4.12
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	13.51	4.12
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	13.52	4.12
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	13.34	4.12
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	13.34	4.12
26 05 33 16-0313 EA 20AMP Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	31.82	6.17
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	12.24	4.12
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	12.54	4.12
26 05 33 16-0316 EA 20AMP Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20AMP duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	99.03	7.41
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	15.77	4.12
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	16.42	4.12
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	16.88	4.12
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCF). Covers the center compartment and one of the side compartments.	26.09	8.23
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	29.97	10.28
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	32.96	10.28
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	25.08	8.23
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	16.31	4.12
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	16.31	4.12
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	17.17	4.12
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	17.75	4.12
26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	746.55	32.91
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	710.68	32.91
26 05 33 16-0331 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	703.93	32.91
26 05 33 16-0332 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	697.53	32.91
26 05 33 16-0333 EA Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	422.23	30.86
26 05 33 16-0334 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	472.76	30.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0335 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Nonmetallic sleeve attaches to structural decking and maintains 8"-8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	120.49	16.46
26 05 33 16-0336 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	247.80	8.23
26 05 33 16-0337 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	247.80	8.23
26 05 33 16-0338 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	43.00	2.05
26 05 33 16-0339 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	14.27	4.12
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20A duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.35	4.12
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20A receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	14.44	4.12
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.68	4.12
26 05 33 16-0343 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	20.13	4.12
26 05 33 16-0344 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	20.10	4.12
26 05 33 16-0345 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	13.85	4.12
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	14.02	4.12
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.85	4.12
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	13.85	4.12
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.82	4.12
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	16.58	4.12
26 05 33 16-0351 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	19.06	4.12
26 05 33 16-0352 EA Bottom Housing Assembly (Wiremold 22CHA)..... Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	26.09	8.23

26 05 43 Underground Ducts And Raceways For Electrical Systems (26 05)

Note: Underground utilities and conduits include warning tape.

26 05 43 00-0001		Duct Bank <small>(26 05 43)</small> Note: Installation of single or multiple configuration underground utility raceways to have 3" concrete leveling base and encased in concrete envelope. Based on 100' run, minimum 30" bury depth. Labor units include material handling, unloading at job site, layout of job, measuring, cutting and fabrication, installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations.	
26 05 43 00-0002		Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank <small>(26 05 43 00-0001)</small> Note: Includes appropriate spacers and fittings.	
26 05 43 00-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	21.21
26 05 43 00-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	42.45
26 05 43 00-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	43.48
26 05 43 00-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	87.18
26 05 43 00-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	63.94
26 05 43 00-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	128.64
26 05 43 00-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	193.55
26 05 43 00-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	118.43
26 05 43 00-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	236.10
26 05 43 00-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	364.07
26 05 43 00-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	168.47
26 05 43 00-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	338.14
26 05 43 00-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	502.65

26 Electrical

26 05 Common Work Results For Electrical

26 05 43 Underground Ducts And Raceways For Electrical Systems



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 43 00-0016		Polyvinyl Chloride (PVC), Type EB Duct Bank System <small>(26 05 43 00-0001)</small>		
Note: Includes appropriate spacers and fittings.				
26 05 43 00-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	5.11	
26 05 43 00-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.28	
26 05 43 00-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	21.60	
26 05 43 00-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	6.75	
26 05 43 00-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.49	
26 05 43 00-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	27.41	
26 05 43 00-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	8.95	
26 05 43 00-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	17.91	
26 05 43 00-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	35.85	
26 05 43 00-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	53.76	
26 05 43 00-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	11.19	
26 05 43 00-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	22.37	
26 05 43 00-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	43.22	
26 05 43 00-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	61.05	
26 05 43 00-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	20.16	
26 05 43 00-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	30.18	
26 05 43 00-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	60.51	
26 05 43 00-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	98.33	
26 05 43 00-0035		Polyvinyl Chloride (PVC), Type DB Duct Bank System <small>(26 05 43 00-0001)</small>		
Note: Includes appropriate spacers and fittings.				
26 05 43 00-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	5.67	
26 05 43 00-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	12.45	
26 05 43 00-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	23.78	
26 05 43 00-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	6.98	
26 05 43 00-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	13.95	
26 05 43 00-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	27.83	
26 05 43 00-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	9.12	
26 05 43 00-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	18.25	
26 05 43 00-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	36.53	
26 05 43 00-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	54.77	
26 05 43 00-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	11.44	
26 05 43 00-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	22.88	
26 05 43 00-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	44.24	
26 05 43 00-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	62.58	
26 05 43 00-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	20.51	
26 05 43 00-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	30.91	
26 05 43 00-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	61.98	
26 05 43 00-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	100.53	
26 05 43 00-0054		Male Or Female Adapters <small>(26 05 43 00-0001)</small>		
26 05 43 00-0055	EA	2" Adapter.....	28.34	
26 05 43 00-0056	EA	3" Adapter.....	40.81	
26 05 43 00-0057	EA	4" Adapter.....	52.73	
26 05 43 00-0058	EA	5" Adapter.....	80.63	
26 05 43 00-0059	EA	6" Adapter.....	99.74	
26 05 46 Utility Poles for Electrical Systems <small>(26 05)</small>				
26 05 46 00-0001		Wood Poles <small>(26 05 46)</small>		
26 05 46 00-0002		Wood Pole, Class 3, Penta-Treated To 8 LB Retention <small>(26 05 46 00-0001)</small>		
Note: Machine dig and set.				
26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set.....	689.12	217.63
		For Class 1 Pole, Add	88.83	
		For Class 2 Pole, Add	50.76	
		For Class 4 Pole, Deduct	-25.38	
		For Class 5 Pole, Deduct	-76.14	
		For Class 6 Pole, Deduct	-101.52	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set.....	827.52	241.45
		For Class 1 Pole, Add	120.60	
		For Class 2 Pole, Add	68.91	
		For Class 4 Pole, Deduct	-34.46	
		For Class 5 Pole, Deduct	-103.37	
		For Class 6 Pole, Deduct	-137.83	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,071.89	319.35
		For Class 1 Pole, Add	151.65	
		For Class 2 Pole, Add	86.66	
		For Class 4 Pole, Deduct	-43.33	
		For Class 5 Pole, Deduct	-129.99	
		For Class 6 Pole, Deduct	-173.32	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,228.61	351.25
		For Class 1 Pole, Add	184.15	
		For Class 2 Pole, Add	105.23	
		For Class 4 Pole, Deduct	-52.61	
		For Class 5 Pole, Deduct	-157.84	
		For Class 6 Pole, Deduct	-210.46	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,405.61	391.21
<i>For Class 1 Pole, Add</i>	<i>218.09</i>	
<i>For Class 2 Pole, Add</i>	<i>124.62</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-62.31</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-186.94</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-249.25</i>	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,600.24	439.05
<i>For Class 1 Pole, Add</i>	<i>252.76</i>	
<i>For Class 2 Pole, Add</i>	<i>144.43</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-72.22</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-216.65</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-288.86</i>	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,791.21	482.91
<i>For Class 1 Pole, Add</i>	<i>288.86</i>	
<i>For Class 2 Pole, Add</i>	<i>165.06</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-82.53</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-247.60</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-330.13</i>	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,003.01	531.04
<i>For Class 1 Pole, Add</i>	<i>329.30</i>	
<i>For Class 2 Pole, Add</i>	<i>188.17</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-94.09</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-282.26</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-376.35</i>	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,325.54	578.79
<i>For Class 1 Pole, Add</i>	<i>758.77</i>	
<i>For Class 2 Pole, Add</i>	<i>433.58</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-216.79</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-650.38</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-867.17</i>	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,655.07	615.70
<i>For Class 1 Pole, Add</i>	<i>848.28</i>	
<i>For Class 2 Pole, Add</i>	<i>484.73</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-242.37</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-727.10</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-969.46</i>	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,020.80	657.61
<i>For Class 1 Pole, Add</i>	<i>946.94</i>	
<i>For Class 2 Pole, Add</i>	<i>541.11</i>	
<i>For Class 4 Pole, Deduct</i>	<i>-270.55</i>	
<i>For Class 5 Pole, Deduct</i>	<i>-811.66</i>	
<i>For Class 6 Pole, Deduct</i>	<i>-1,082.22</i>	
26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm <small>(26 05 46 00-0001)</small>		
26 05 46 00-0015 LF Remove And Relocate Wood Pole With Cross Arms, Up To 75'	18.55	
26 05 46 00-0016 Crossarms <small>(26 05 46)</small>		
<small>Note: Includes hardware and braces.</small>		
26 05 46 00-0017 Wood Single Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0018 EA 3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	151.21	64.91
26 05 46 00-0019 EA 3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	183.57	64.91
26 05 46 00-0020 EA 3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	193.15	83.45
26 05 46 00-0021 Wood Double Arm Crossarms <small>(26 05 46 00-0016)</small>		
26 05 46 00-0022 EA 3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	392.14	180.82
26 05 46 00-0023 EA 3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	416.78	180.82
26 05 46 00-0024 EA 3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	434.65	180.82
26 05 46 00-0025 Fiberglass Crossarms <small>(26 05 46 00-0016)</small>		
<small>Note: Includes hardware.</small>		
26 05 46 00-0026 Single Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0027 EA Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB	155.01	
26 05 46 00-0028 EA Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB	199.37	38.95
26 05 46 00-0029 EA Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	208.64	41.73
26 05 46 00-0030 Two Phase, 15 Degree Angle <small>(26 05 46 00-0025)</small>		
26 05 46 00-0031 EA Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB	249.94	50.07
26 05 46 00-0032 Fiberglass Crossarm Accessories <small>(26 05 46 00-0025)</small>		
26 05 46 00-0033 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor	392.24	63.98
26 05 46 00-0034 EA Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor	466.61	77.89
26 05 46 00-0035 EA Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	68.21	11.13
26 05 46 00-0036 EA Three Phase Equipment Mounting Bracket.....	341.08	55.64
26 05 46 00-0037 EA Fiberglass Bull Horn Crossarm.....	278.82	92.73

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 05 46 00-0038	Insulator Support System <small>(26 05 46 00-0016)</small>			
26 05 46 00-0039	Epoxy Construction Units, In Place Mounting <small>(26 05 46 00-0038)</small>			
	Note: Includes hardware.			
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	83.87	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	66.39	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	174.24	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	130.26	
26 05 46 00-0044	Epoxy Construction Units, Grounding Mounting <small>(26 05 46 00-0038)</small>			
	Note: Includes hardware.			
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	57.03	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	48.50	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting.....	156.35	
26 05 46 00-0048	Guying <small>(26 05 46)</small>			
	Note: Includes cable, anchor and rod assembly, guy marker.			
26 05 46 00-0049	Down Guy <small>(26 05 46 00-0048)</small>			
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	617.31	259.63
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	626.75	259.63
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	646.16	259.63
26 05 46 00-0053	EA	Guy Guard, Plastic.....	22.03	
26 05 46 00-0054	Head Guy, 50' Spans <small>(26 05 46 00-0048)</small>			
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	901.62	398.72
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	901.62	398.72
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	901.62	398.72
26 05 46 00-0058	Guy Strain Insulators Additional Insulators <small>(26 05 46 00-0048)</small>			
	Note: As required at same material cost and labor.			
26 05 46 00-0059	EA	Guy Strain Insulator	392.30	194.73
26 05 46 00-0060	Insulators <small>(26 05 46)</small>			
26 05 46 00-0061	Pin Insulator With Pin <small>(26 05 46 00-0060)</small>			
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin.....	124.86	55.64
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin.....	128.69	55.64
26 05 46 00-0064	Suspension Insulator <small>(26 05 46 00-0060)</small>			
	Note: Includes clevis and strain clamp.			
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	158.89	74.18
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	169.31	74.18
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	238.21	92.73
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	378.29	148.36
26 05 46 00-0069	Spool Insulator With Clevis <small>(26 05 46 00-0060)</small>			
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	52.91	23.18
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	169.85	83.45
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	220.21	83.45
26 05 46 00-0073	Secondary Rack <small>(26 05 46 00-0060)</small>			
26 05 46 00-0074	EA	1 Spool Secondary Rack	105.06	46.36
26 05 46 00-0075	EA	2 Spool Secondary Rack	108.42	59.16
26 05 46 00-0076	EA	3 Spool Secondary Rack	162.32	78.81
26 05 46 00-0077	EA	4 Spool Secondary Rack	182.34	78.81
26 05 46 00-0078	Outdoor Load Break Switches <small>(26 05 46)</small>			
	Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.			
26 05 46 00-0079	7.2 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>			
26 05 46 00-0080	EA	600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	2,721.80	315.27
26 05 46 00-0081	EA	1,200 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,242.80	315.27
26 05 46 00-0082	EA	1,600 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,800.19	533.17
26 05 46 00-0083	EA	2,000 Amp, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,991.92	533.17
26 05 46 00-0084	14.4 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>			
26 05 46 00-0085	EA	600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,300.35	315.27
26 05 46 00-0086	EA	1,200 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,171.30	315.27
26 05 46 00-0087	EA	1,600 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,800.19	533.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0088 EA 2,000 Amp, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	7,991.92	533.17
26 05 46 00-0089 23 KV Outdoor Load Break Switches <small>(26 05 46 00-0078)</small>		
26 05 46 00-0090 EA 600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	3,646.61	366.27
26 05 46 00-0091 EA 1,200 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,758.96	366.27
26 05 46 00-0092 EA 1,600 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,179.90	630.53
26 05 46 00-0093 EA 2,000 Amp, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	8,377.92	630.53
26 05 46 00-0094 Square Distribution Poles <small>(26 05 46)</small>		
26 05 46 00-0095 Square Steel Tapered Shaft Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole	2,103.84	394.08
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole	2,353.68	417.27
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole	2,557.48	463.63
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole	2,828.68	509.99
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole	3,787.09	556.36
26 05 46 00-0101 Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution	2,360.89	692.36
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution	2,615.45	759.36
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution	3,029.68	848.71
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution	3,402.87	938.04
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution	4,082.80	1,139.05
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution	4,787.39	1,340.07
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution	5,598.79	1,518.74
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution	6,790.20	1,876.09
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution	7,575.97	2,054.76
26 05 46 00-0111 Aluminum Tapered Poles <small>(26 05 46)</small>		
26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	2,233.86	347.72
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,113.92	370.90
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,580.54	417.27
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	4,245.15	463.63
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	6,412.74	509.99
26 05 46 00-0118 Steel Service Poles Distribution <small>(26 05 46)</small>		
Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119 Round Tapered Pole <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution	3,131.97	556.36
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution	3,632.03	602.72
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution	3,870.92	649.08
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution	4,554.94	741.80
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution	5,619.57	834.53
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution	6,630.31	1,049.71
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution	7,384.21	1,190.86
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution	8,164.11	1,340.07
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution	9,165.29	1,518.74
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution	9,792.74	1,608.07
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution	10,633.08	1,786.74
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution	11,700.78	2,010.09
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution	12,925.87	2,278.10
26 05 46 00-0133 12 Sided Tapered <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,296.45	556.36
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution	5,843.41	602.72
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution	6,468.41	649.08
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution	7,111.43	741.80
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,428.01	834.53
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,462.16	1,049.71
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution	12,116.96	1,190.86
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution	13,046.04	1,340.07
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,041.09	1,518.74
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution	14,876.53	1,608.07
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution	16,883.94	1,786.74
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,934.12	2,010.09
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution	19,200.13	2,278.10
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,552.32	2,546.12
26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles <small>(26 05 46 00-0118)</small>		
26 05 46 00-0149 EA Ladder Clips	12.30	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0150	EA		Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	92.32	
26 05 46 00-0151	EA		Ground Sleeve-2' At Ground Line.....	92.85	
26 05 46 00-0152			Arms With Baseplates And Endplates (26 05 46 00-0118)		
26 05 46 00-0153	EA		4' Arm With Baseplate And Endplate.....	460.01	92.73
26 05 46 00-0154	EA		5' Arm With Baseplate And Endplate.....	497.23	92.73
26 05 46 00-0155	EA		6' Arm With Baseplate And Endplate.....	627.91	139.09
26 05 46 00-0156	EA		7' Arm With Baseplate And Endplate.....	660.48	139.09
26 05 46 00-0157	EA		8' Arm With Baseplate And Endplate.....	789.72	185.45
26 05 46 00-0158	EA		9' Arm With Baseplate And Endplate.....	826.93	185.45
26 05 46 00-0159	EA		10' Arm With Baseplate And Endplate.....	1,091.87	231.82
26 05 46 00-0160	EA		11' Arm With Baseplate And Endplate.....	1,133.63	231.82
26 05 46 00-0161			Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)		
26 05 46 00-0162	EA		15,000 LB Standard Vangs Load Bearing At Any Angle.....	216.15	92.73
26 05 46 00-0163	EA		30,000 LB Standard Vangs Load Bearing At Any Angle.....	238.96	92.73
26 05 46 00-0164	EA		45,000 LB Standard Vangs Load Bearing At Any Angle.....	270.15	92.73
26 05 46 00-0165			Armless Construction Brackets (26 05 46 00-0118)		
26 05 46 00-0166			Verticals Insulator And Equipment Bracket (26 05 46 00-0165)		
26 05 46 00-0167	EA		7" 1 Position Vertical Insulation And Equipment Bracket.....	219.87	92.73
26 05 46 00-0168	EA		12" 1 Position Vertical Insulation And Equipment Bracket.....	234.27	92.73
26 05 46 00-0169	EA		12" 3 Position Vertical Insulation And Equipment Bracket.....	257.67	92.73
26 05 46 00-0170	EA		18" 1 Position Vertical Insulation And Equipment Bracket.....	365.82	139.09
26 05 46 00-0171	EA		18" 3 Position Vertical Insulation And Equipment Bracket.....	379.48	139.09
26 05 46 00-0172			Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)		
26 05 46 00-0173	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	208.66	92.73
26 05 46 00-0174	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	238.92	92.73
26 05 46 00-0175	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	351.16	139.09
26 05 46 00-0176	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	422.58	139.09
26 05 46 00-0177	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	544.94	185.45
26 05 46 00-0178	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	582.85	185.45
26 05 46 00-0179			Pole Top Bracket And Pins (26 05 46 00-0165)		
26 05 46 00-0180	EA		Pole Top Pin - 5".....	213.05	92.73
26 05 46 00-0181	EA		Pole Top Bracket - 5".....	220.40	92.73
26 05 46 00-0182			Angle Pins (26 05 46 00-0165)		
26 05 46 00-0183	EA		Angle Pin - 25 Degree, 6".....	212.06	92.73
26 05 46 00-0184	EA		Angle Pin - 25 Degree, 7 1/4".....	235.92	92.73
26 05 46 00-0185			Static And Neutral Wire Brackets (26 05 46 00-0165)		
26 05 46 00-0186	EA		Neutral Wire Bracket.....	193.96	92.73
26 05 46 00-0187	EA		Static Wire Bracket.....	226.06	92.73
26 05 46 00-0188			Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)		
26 05 46 00-0189	EA		Cutout And Arrestor, With Mounting Bracket.....	203.76	92.73
26 05 46 00-0190	EA		Equipment Mounting T Bracket.....	215.75	92.73
26 05 46 00-0191	EA		15 KV Cutout.....	270.61	
26 05 46 00-0192	EA		9/10 KV Arrestor.....	253.75	92.73
26 05 46 00-0193			Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)		
26 05 46 00-0194	EA		Spacer Cable.....	228.60	92.73
26 05 46 00-0195	EA		Conduit Support.....	200.55	92.73
26 05 46 00-0196	EA		Cluster Bracket For Mounting Transformer On Pole, 3 Diameter.....	295.41	92.73
26 05 46 00-0197			15 KV 200 Amp Solenoid Operated High Voltage Switch (26 05 46 00-0165)		
			Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,206.46	231.82
26 05 46 00-0199			Octagonal Tapered (26 05 46 00-0118)		
26 05 46 00-0200	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	5,457.33	556.36
26 05 46 00-0201	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,021.84	602.72
26 05 46 00-0202	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	6,667.31	649.08
26 05 46 00-0203	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	7,327.88	788.16
26 05 46 00-0204	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	9,726.36	834.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution	10,783.92	1,049.71
26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution	12,491.37	1,116.72
26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution	13,445.31	1,340.07
26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution	14,463.75	1,429.40
26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution	15,324.07	1,608.07
26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution	17,394.37	1,697.41
26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution	18,470.88	2,010.09
26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution	19,763.21	2,144.10
26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution	21,144.64	2,412.11
26 05 46 00-0214 Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)		
26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60'	32.45	
26 05 46 00-0216 Special Steel Bases For Poles (26 05 46 00-0118)		
26 05 46 00-0217 EA Spin-In Steel Base For Poles	168.33	
26 05 46 00-0218 EA Series 3, 25' Pole And less	184.27	46.36
26 05 46 00-0219 EA Series 4, 40' Pole And less	218.53	53.32
26 05 46 00-0220 EA Series 5, 50' Pole And less	248.13	57.96
26 05 46 00-0221 Primary Fuse Cutouts (26 05 46)		
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 05 46 00-0222 Non-Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
Note: Includes the fuse and cut-out switch.		
26 05 46 00-0223 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0224 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	447.26	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0225 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	539.99	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	139.09	
26 05 46 00-0226 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	632.40	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	166.81	
26 05 46 00-0227 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	639.85	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	166.91	
26 05 46 00-0228 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	639.85	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	166.91	
26 05 46 00-0229 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0230 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	447.26	185.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0231 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting (26 05 46 00-0222)		
26 05 46 00-0232 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	456.89	185.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0233 Fuseholders (26 05 46 00-0222)		
Note: Including current limiting fuse.		
26 05 46 00-0234 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	406.67	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0235 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	499.40	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	139.09	
26 05 46 00-0236 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	591.81	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	166.81	
26 05 46 00-0237 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	410.00	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0238 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	502.73	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	139.09	
26 05 46 00-0239 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	406.67	185.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0240 Accessories (26 05 46 00-0222)		
26 05 46 00-0241 EA Hot Line Clamp	56.30	20.87
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.91	
26 05 46 00-0242 EA Stirrup	59.35	20.87
26 05 46 00-0243 Loadbreak Current Limiting Primary Fuse Cutouts (26 05 46 00-0221)		
Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 05 46 00-0244 8.3 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0245 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	522.24	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	111.27	
26 05 46 00-0246 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	614.97	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	139.09	
26 05 46 00-0247 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	707.38	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	166.81	

26 Electrical**26 05 Common Work Results For Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0248 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	721.82	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.91	
26 05 46 00-0249 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	721.82	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.91	
26 05 46 00-0250 17.1 KV-95 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0251 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	522.24	185.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.27	
26 05 46 00-0252 17.1 KV-125 KV BIL Loadbreak Current Limiting (26 05 46 00-0243)		
26 05 46 00-0253 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	522.24	185.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.27	
26 05 46 00-0254 Fuseholders (26 05 46 00-0243)		
Note: Includes current limiting fuses.		
26 05 46 00-0255 EA 15 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	410.11	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.27	
26 05 46 00-0256 EA 25 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	502.84	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.09	
26 05 46 00-0257 EA 40 Amp, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	595.25	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.81	
26 05 46 00-0258 EA 15 Amp, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	410.11	231.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.27	
26 05 46 00-0259 Pole Mounted Capacitors (26 05 46 00-0243)		
26 05 46 00-0260 EA Capacitors - Pole Mounted 6 KVAR.....	801.25	186.93
26 05 46 00-0261 Pole Structure Assemblies (26 05 46 00-0221)		
26 05 46 00-0262 5 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0263 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	365.04	176.18
26 05 46 00-0264 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	611.75	296.72
26 05 46 00-0265 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	601.34	231.82
26 05 46 00-0266 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	328.37	120.54
26 05 46 00-0267 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	431.59	166.90
26 05 46 00-0268 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	794.41	333.82
26 05 46 00-0269 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	611.21	250.35
26 05 46 00-0270 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,163.70	500.72
26 05 46 00-0271 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,315.19	565.62
26 05 46 00-0272 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	694.06	278.18
26 05 46 00-0273 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	642.02	296.72
26 05 46 00-0274 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,248.57	602.72
26 05 46 00-0275 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	864.26	361.63
26 05 46 00-0276 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	568.80	259.63
26 05 46 00-0277 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,112.17	528.53
26 05 46 00-0278 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	787.83	268.90
26 05 46 00-0279 15 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0280 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	374.67	176.18
26 05 46 00-0281 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	625.51	296.72
26 05 46 00-0282 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	648.11	231.82
26 05 46 00-0283 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	344.88	120.54
26 05 46 00-0284 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	454.98	157.63
26 05 46 00-0285 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	841.18	333.82
26 05 46 00-0286 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	645.61	250.35
26 05 46 00-0287 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,233.86	500.72
26 05 46 00-0288 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,410.12	565.62
26 05 46 00-0289 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	740.83	278.18
26 05 46 00-0290 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	659.90	296.72
26 05 46 00-0291 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,266.45	602.72
26 05 46 00-0292 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	900.03	361.63
26 05 46 00-0293 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	586.68	250.35
26 05 46 00-0294 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,130.05	528.53
26 05 46 00-0295 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	823.60	324.54
26 05 46 00-0296 25 KV Pole Structure Assemblies (26 05 46 00-0261)		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0297 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	904.56	278.18
26 05 46 00-0298 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	526.08	139.09
26 05 46 00-0299 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	768.71	213.27
26 05 46 00-0300 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,153.43	435.81
26 05 46 00-0301 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,013.71	324.54



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0302	EA			Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,751.86	639.81
26 05 46 00-0303	EA			Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,769.13	723.26
26 05 46 00-0304	EA			Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,175.44	421.91
26 05 46 00-0305	EA			Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,049.83	421.91
26 05 46 00-0306				50 KV Pole Structure Assemblies <small>(26 05 46 00-0261)</small>		
				Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 05 46 00-0307	EA			Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,215.84	380.18
26 05 46 00-0308	EA			Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	647.74	194.73
26 05 46 00-0309	EA			Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	883.70	305.99
26 05 46 00-0310	EA			Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,695.86	621.26
26 05 46 00-0311	EA			Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,290.46	463.63
26 05 46 00-0312	EA			Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,513.52	927.25
26 05 46 00-0313	EA			Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,910.81	1,029.25
26 05 46 00-0314	EA			Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,460.87	500.72
26 05 46 00-0315	EA			Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,542.92	579.53
26 05 46 00-0316	EA			Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,474.74	547.08
26 05 46 00-0317				Overhead To Underground Conversion Structures <small>(26 05 46 00-0221)</small>		
				Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 05 46 00-0318				5 KV Structures <small>(26 05 46 00-0317)</small>		
				Note: Excludes pole.		
26 05 46 00-0319	EA			(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,364.38	1,854.51
26 05 46 00-0320	EA			(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,364.38	1,854.51
26 05 46 00-0321	EA			(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,364.38	1,854.51
26 05 46 00-0322	EA			(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,364.38	1,854.51
26 05 46 00-0323				15 KV Structures <small>(26 05 46 00-0317)</small>		
				Note: Excludes pole.		
26 05 46 00-0324	EA			(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,429.11	1,854.51
26 05 46 00-0325	EA			(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,429.11	1,854.51
26 05 46 00-0326	EA			(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,429.11	1,854.51
26 05 46 00-0327	EA			(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,429.11	1,854.51
26 05 46 00-0328				25 KV Structures <small>(26 05 46 00-0317)</small>		
				Note: Excludes pole.		
26 05 46 00-0329	EA			(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,499.73	1,854.51
26 05 46 00-0330	EA			(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,499.73	1,854.51
26 05 46 00-0331	EA			(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,499.73	1,854.51
26 05 46 00-0332	EA			(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	3,499.73	1,854.51
26 05 46 00-0333				Transformer Stations <small>(26 05 46 00-0221)</small>		
				Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 05 46 00-0334				5 KV Station <small>(26 05 46 00-0333)</small>		
26 05 46 00-0335	EA			(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	4,580.00	2,472.06
26 05 46 00-0336	EA			(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,143.67	2,781.77
26 05 46 00-0337	EA			(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	5,707.35	3,090.54
26 05 46 00-0338	EA			(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	5,707.35	3,090.54
26 05 46 00-0339	EA			(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	4,580.00	2,472.06
26 05 46 00-0340				15 KV Stations <small>(26 05 46 00-0333)</small>		
26 05 46 00-0341	EA			(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	4,644.74	2,472.06
26 05 46 00-0342	EA			(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,208.41	2,781.77
26 05 46 00-0343	EA			(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	5,772.08	3,090.54
26 05 46 00-0344	EA			(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	5,772.08	3,090.54
26 05 46 00-0345	EA			(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	4,644.74	2,472.06
26 05 46 00-0346				25 KV Stations <small>(26 05 46 00-0333)</small>		
26 05 46 00-0347	EA			(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	4,715.36	2,472.06
26 05 46 00-0348	EA			(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole.....	5,279.03	2,781.77
26 05 46 00-0349	EA			(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	5,842.70	3,090.54
26 05 46 00-0350	EA			(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	5,842.70	3,090.54
26 05 46 00-0351	EA			(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	4,715.36	2,472.06
26 05 53				Identification for Electrical Systems <small>(26 05)</small>		
26 05 53 00-0001				Conduit Markers Pressure-Sensitive <small>(26 05 53)</small>		
				Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA			1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	8.93	

26 Electrical**26 05 Common Work Results For Electrical****26 05 53 Identification for Electrical Systems**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	9.34	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.16	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.32	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.49	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	10.74	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.41	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.74	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.98	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.23	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.75	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.30	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	14.78	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.27	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.65	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.56	

26 05 53 00-0018 Labeling Electrical Wires (26 05 53)

26 05 53 00-0019	EA	Labeling Wire.....	1.76	
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26 05 83 Wiring Connections (26 05)**26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)**

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	10.40	3.70
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	11.34	4.12
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	12.18	4.53
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	13.97	4.94
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	15.04	5.35
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	16.63	5.76
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	17.81	6.17
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	19.36	6.58
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	21.45	7.41
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	22.53	7.82
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	24.87	8.23
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	26.93	8.64
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	30.00	9.46
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volts.....	34.70	10.69

26 05 83 00-0016 One Hole Compression Lugs (26 05 83)

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	14.01	10.69
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	14.09	10.69
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	15.92	11.52
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	19.51	12.76
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	27.52	16.46
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	32.35	16.46
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	37.22	16.46
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	45.95	24.69
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	53.95	24.69
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	63.17	24.69
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volts) One Hole Compression Lug.....	76.20	32.91
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	90.40	49.37
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	103.40	49.37
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	111.16	49.37
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	120.97	57.60
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	132.20	57.60
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volts) One Hole Compression Lug.....	143.73	65.84
26 05 83 00-0034	EA	1,000 MCM Compression Lugs, 1 Hole, Low Voltage, To 600 Volts.....	168.39	74.07

26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	28.50	13.99
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	30.55	14.89
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	32.26	14.89
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	37.11	17.12
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	45.84	21.40
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	53.83	25.43
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	63.03	29.79
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volts) Two Hole Compression Lug.....	76.05	36.12
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	90.22	42.88
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	103.20	48.96
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	110.95	52.75
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	120.72	57.11
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	131.91	62.38
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	144.00	67.64
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volts) Two Hole Compression Lug.....	177.70	82.30

26 05 83 00-0051 Tape Wrapped Split Bolt Connectors (26 05 83)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0052 EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	42.89	32.91
26 05 83 00-0053 EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	47.17	35.39
26 05 83 00-0054 EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	53.75	37.03
26 05 83 00-0055 EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	62.24	41.14
26 05 83 00-0056 EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	73.30	45.26
26 05 83 00-0057 EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	81.69	49.37
26 05 83 00-0058 EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	101.92	53.49
26 05 83 00-0059 EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	109.32	57.60
26 05 83 00-0060 EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	115.15	61.72
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	130.65	67.89
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	146.13	98.75
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	159.79	82.30
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	173.47	111.09
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	191.14	115.21
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volts.....	215.08	123.44
26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	58.82	32.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.28	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	67.85	32.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.99	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	93.98	49.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.43	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	111.73	49.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	31.65	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	133.82	61.72
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.40	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volts.....	185.01	82.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.44	
26 05 83 00-0074 Terminal Blocks (26 05 83)		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	703.27	304.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.87	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block.....	167.66	41.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.97	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block.....	183.64	41.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.23	
26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	28.49	14.89
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	30.55	14.89
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	32.26	14.89
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	37.11	17.12
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	45.83	21.40
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	53.83	25.43
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	63.03	29.79
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	76.05	36.12
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	90.22	42.88
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	103.20	48.96
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	110.95	52.75
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	120.72	57.11
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	131.91	62.38
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	132.17	62.38
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	28.49	14.89
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	30.55	14.89
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	32.26	14.89
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	37.11	17.12
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	45.83	21.40
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	53.83	25.43
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	63.03	29.79
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover.....	76.05	36.12
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	90.22	42.88
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	103.20	48.96
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	110.95	52.75
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	120.72	57.11
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	131.91	62.38
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover.....	132.17	62.38
26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs.....	22.64	10.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.17	
26 05 83 00-0109 EA #6 Copper Mechanical Lugs.....	27.21	12.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.46	
26 05 83 00-0110 EA #4 Copper Mechanical Lugs.....	31.45	14.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.64	
26 05 83 00-0111 EA #2 Copper Mechanical Lugs.....	40.90	18.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.02	

26 Electrical**26 05 Common Work Results For Electrical****26 05 83 Wiring Connections**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs.....	55.07	24.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.81</i>	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs.....	65.25	28.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>17.21</i>	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs.....	75.99	32.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>19.75</i>	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs.....	86.20	36.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>22.15</i>	
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	98.11	41.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>24.69</i>	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	109.82	45.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>27.17</i>	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	121.48	49.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>29.62</i>	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	133.06	53.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>32.07</i>	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	144.84	57.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>34.56</i>	
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	164.34	65.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>39.38</i>	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	185.93	74.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>44.44</i>	
26 05 83 00-0123 Gel Connectors (26 05 83)		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	35.78	
<i>Note: Kit contains connector, gel filled cap and cap clamp.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.47</i>	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	35.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.97</i>	
26 05 83 00-0126 Other Connections (26 05 83)		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.05	3.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.26</i>	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.10	3.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.26</i>	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	8.16	3.76
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2.26</i>	
26 05 83 00-0130 Motor/Equipment Connections And Terminations (26 05 83)		
<i>Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.</i>		
26 05 83 00-0131 AC Single Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.62	20.58
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.40	20.58
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.89	24.69
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.72	30.86
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.15	30.86
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.24	30.86
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.67	30.86
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.43	41.14
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	93.04	41.14
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.20	51.44
26 05 83 00-0142 AC Three Phase, 230 Volt (26 05 83 00-0130)		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.40	20.58
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.89	24.69
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.72	30.86
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.15	30.86
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.24	30.86
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.67	30.86
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.43	41.14
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	93.04	41.14
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.20	51.44
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.38	51.44
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.52	61.72
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.83	61.72
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	205.88	82.30
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	257.89	102.86
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	305.40	123.44
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	361.57	144.01
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	414.98	164.58
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	516.00	205.73
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	610.62	244.82
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	720.30	285.55
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,040.59	428.25



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0164				AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small>		
	EA			1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	47.40	20.58
	EA			3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	55.89	24.69
	EA			1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.72	30.86
	EA			1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	69.15	30.86
	EA			2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	69.24	30.86
	EA			3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	70.67	30.86
	EA			5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.43	41.14
	EA			7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	93.04	41.14
	EA			10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	117.20	51.44
	EA			15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	119.38	51.44
	EA			20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	148.52	61.72
	EA			25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	151.83	61.72
	EA			30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	205.88	82.30
	EA			40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	258.13	103.03
	EA			50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	305.40	123.44
	EA			60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	361.57	144.01
	EA			75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	414.98	164.58
	EA			100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	516.00	205.73
	EA			125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	610.85	244.90
	EA			150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	720.62	285.71
	EA			200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,041.30	428.58
26 05 83 00-0186				AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
	EA			1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	47.62	20.58
26 05 83 00-0188				Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
	EA			Motor Moisture Sensor Located In Winding.....	264.52	

26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors (26 09 23)

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors (26 09 23 00-0001)

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

EA	20 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	293.31	65.84
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.50	
EA	30 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	359.51	74.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
EA	60 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	663.42	115.21
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.13	
EA	100 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,023.72	156.35
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.81	
EA	200 Amp, 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,083.51	205.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.44	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

EA	20 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	331.12	74.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
EA	30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	394.63	82.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37	
EA	60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	721.20	131.67
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.00	
EA	100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,107.27	172.81
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.69	
EA	200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,238.80	226.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.78	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0003)

EA	20 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	387.87	82.30
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37	
EA	30 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	462.16	90.52
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.31	
EA	60 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	867.81	148.12
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.88	
EA	100 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,317.38	189.28
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.56	
EA	200 Amp, 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,840.84	246.88
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.13	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0022			NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)		
26 09 23 00-0023			2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0023)		
26 09 23 00-0024	EA		20 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	465.15	65.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.50	
26 09 23 00-0025	EA		30 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	587.34	74.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
26 09 23 00-0026	EA		60 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,117.74	115.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.13	
26 09 23 00-0027	EA		100 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,669.00	156.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.81	
26 09 23 00-0028	EA		200 Amp, 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,184.89	205.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.44	
26 09 23 00-0029			3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0029)		
26 09 23 00-0030	EA		20 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	485.00	74.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
26 09 23 00-0031	EA		30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	622.45	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37	
26 09 23 00-0032	EA		60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,176.85	131.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.00	
26 09 23 00-0033	EA		100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,752.11	172.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.69	
26 09 23 00-0034	EA		200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	3,339.73	226.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.78	
26 09 23 00-0035			4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0035)		
26 09 23 00-0036	EA		20 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	525.24	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37	
26 09 23 00-0037	EA		30 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	689.98	90.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.31	
26 09 23 00-0038	EA		60 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	1,500.66	148.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.88	
26 09 23 00-0039	EA		100 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	2,139.41	189.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.56	
26 09 23 00-0040	EA		200 Amp, 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor.....	4,430.29	246.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.13	
26 09 23 00-0041			Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0042			NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0041)		
26 09 23 00-0043			2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0044	EA		20 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	418.55	65.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.50	
26 09 23 00-0045	EA		30 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	475.87	74.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
26 09 23 00-0046	EA		60 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	889.91	115.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.13	
26 09 23 00-0047	EA		100 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,238.22	156.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.81	
26 09 23 00-0048	EA		200 Amp, 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	2,779.87	205.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.44	
26 09 23 00-0049			3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0050	EA		20 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	449.08	74.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
26 09 23 00-0051	EA		30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	511.87	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37	
26 09 23 00-0052	EA		60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	949.03	131.67
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.00	
26 09 23 00-0053	EA		100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,322.21	172.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.69	
26 09 23 00-0054	EA		200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	3,123.90	226.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.78	
26 09 23 00-0055			4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0042)		
26 09 23 00-0056	EA		20 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	485.93	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.37	
26 09 23 00-0057	EA		30 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	546.98	90.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.31	
26 09 23 00-0058	EA		60 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,107.63	148.12
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.88	
26 09 23 00-0059	EA		100 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor.....	1,545.20	189.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0060 EA 200 Amp, 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,759.25 148.13	246.88
26 09 23 00-0061 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0041)</small>		
26 09 23 00-0062 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0063 EA 20 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	612.23 39.50	65.84
26 09 23 00-0064 EA 30 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	703.69 44.44	74.07
26 09 23 00-0065 EA 60 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,345.57 69.13	115.21
26 09 23 00-0066 EA 100 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,883.51 93.81	156.35
26 09 23 00-0067 EA 200 Amp, 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,880.36 123.44	205.73
26 09 23 00-0068 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0069 EA 20 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	649.07 44.44	74.07
26 09 23 00-0070 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	739.69 49.37	82.30
26 09 23 00-0071 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,404.68 79.00	131.67
26 09 23 00-0072 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,967.94 103.69	172.81
26 09 23 00-0073 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,225.27 135.78	226.30
26 09 23 00-0074 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors <small>(26 09 23 00-0061)</small>		
26 09 23 00-0075 EA 20 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	688.34 49.37	82.30
26 09 23 00-0076 EA 30 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	774.81 54.31	90.52
26 09 23 00-0077 EA 60 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,740.48 88.88	148.12
26 09 23 00-0078 EA 100 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,367.24 113.56	189.28
26 09 23 00-0079 EA 200 Amp, 4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,316.28 148.13	246.88
26 09 23 00-0080 Combination Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0081 Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0082 NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0083 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0082)</small>		
26 09 23 00-0084 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	790.57 54.31	90.52
26 09 23 00-0085 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,240.94 86.90	144.84
26 09 23 00-0086 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,982.96 114.06	190.10
26 09 23 00-0087 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,573.51 149.36	248.93
26 09 23 00-0088 NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0081)</small>		
26 09 23 00-0089 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors <small>(26 09 23 00-0088)</small>		
26 09 23 00-0090 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,397.44 54.31	90.52
26 09 23 00-0091 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,176.22 86.90	144.84
26 09 23 00-0092 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,615.04 114.06	190.10

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0093 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,661.25 149.36	248.93
26 09 23 00-0094 Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0080)</small>		
26 09 23 00-0095 NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0096 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0095)</small>		
26 09 23 00-0097 EA 30 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	859.85 54.31	90.52
26 09 23 00-0098 EA 60 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,480.76 86.90	144.84
26 09 23 00-0099 EA 100 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,210.12 114.06	190.10
26 09 23 00-0100 EA 200 Amp, 3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,219.02 149.36	248.93
26 09 23 00-0101 NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0094)</small>		
26 09 23 00-0102 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors <small>(26 09 23 00-0101)</small>		
26 09 23 00-0103 EA 30 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,467.39 54.31	90.52
26 09 23 00-0104 EA 60 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,417.37 86.90	144.84
26 09 23 00-0105 EA 100 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,842.87 114.06	190.10
26 09 23 00-0106 EA 200 Amp, 3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,306.75 149.36	248.93
26 09 23 00-0107 Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket <small>(26 09 23)</small>		
26 09 23 00-0108 EA Photo-Cell, 105-130 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.28 12.86	21.40
26 09 23 00-0109 EA Photo-Cell, 105-285 Volt Relay, Lighting Arrester, Receptacle And Bracket <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93.47 12.86	21.40
26 09 23 00-0110 Dimming Module System (Lutron Grafik Eye) <small>(26 09 23)</small>		
26 09 23 00-0111 EA 2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	914.88 49.37	82.30
26 09 23 00-0112 EA 4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,169.70 49.37	82.30
26 09 23 00-0113 EA 6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,429.07 49.37	82.30
26 09 23 00-0114 Light Control Panels <small>(26 09 23)</small>		
26 09 23 00-0115 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0114)</small>		
26 09 23 00-0116 Lighting Control Panels (Watt Stopper) <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117 EA 4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,205.49 69.24	115.40
26 09 23 00-0118 EA 8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,303.21 74.19	123.64
26 09 23 00-0119 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,465.67 74.19	123.64
26 09 23 00-0120 EA 8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,797.17 74.19	123.64
26 09 23 00-0121 EA 8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,950.14 74.19	123.64
26 09 23 00-0122 EA 4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,338.70 69.24	115.40
26 09 23 00-0123 EA 8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,436.42 74.19	123.64
26 09 23 00-0124 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,598.87 74.19	123.64
26 09 23 00-0125 EA 8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,858.42 74.19	123.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0126 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,011.68 74.19	123.64
26 09 23 00-0127 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0115)		
26 09 23 00-0128 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.18 12.36	20.61
26 09 23 00-0129 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.78 9.89	16.48
26 09 23 00-0130 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.94 9.89	16.48
26 09 23 00-0131 Lighting Control Panels (Synergy) (26 09 23 00-0114)		
26 09 23 00-0132 Lighting Control Panels (Synergy) (26 09 23 00-0131)		
26 09 23 00-0133 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,448.30 74.19	123.64
26 09 23 00-0134 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0131)		
26 09 23 00-0135 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	350.22 12.36	20.61
26 09 23 00-0136 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.78 4.94	8.24
26 09 23 00-0137 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.87 7.42	12.37
26 09 23 00-0138 Lighting Switching Panels (Lutron) (26 09 23 00-0114)		
26 09 23 00-0139 Lighting Switching Panels (Lutron) (26 09 23 00-0138)		
26 09 23 00-0140 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128@ XPS8-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,190.39 74.19	123.64
26 09 23 00-0141 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128@ XPS12-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,612.75 79.13	131.89
26 09 23 00-0142 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128@ XPS16-FT) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,095.12 84.08	140.13
26 09 23 00-0143 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0114)		
26 09 23 00-0144 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	522.70 69.24	115.40
26 09 23 00-0145 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	721.15 69.24	115.40
26 09 23 00-0146 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	931.15 69.24	115.40
26 09 23 00-0147 Power Filters (26 09 23 00-0114)		
26 09 23 00-0148 EA 600 Amp 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17"	22,914.19	685.75
26 09 23 00-0149 EA 200 Amp 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17"	13,521.91	298.14
26 09 23 00-0150 Signal Filters (26 09 23 00-0114)		
26 09 23 00-0151 EA 0.5 Amp 125 V 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	10,582.00	623.45
26 09 23 00-0152 EA 0.5 Amp 125 V 200 Conductor Signal Filter With 29" X 40" X 11" Case	7,224.77	381.01
26 09 23 00-0153 EA 0.5 Amp 125 V 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	4,032.87	221.20
26 09 23 00-0154 EA 5 Amp 24 V DC 5 V 2 - 1 Pair Conductor Signal Filter With Case	5,469.05	221.20
26 09 23 00-0155 Radio Controlled Devices (Lutron) (26 09 23)		
26 09 23 00-0156 Tabletop Transmitters For Radio Controlled Devices (26 09 23 00-0155)		
26 09 23 00-0157 Switched Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0158 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	261.78	12.37
26 09 23 00-0159 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	338.95	12.37
26 09 23 00-0160 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	425.77	12.37
26 09 23 00-0161 Dimmable Lighting Controls, Tabletop Wireless Transmitter (26 09 23 00-0156)		
26 09 23 00-0162 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	261.78	12.37
26 09 23 00-0163 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	310.01	12.37
26 09 23 00-0164 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	425.77	12.37
26 09 23 00-0165 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	261.78	12.37

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0166 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	338.95	12.37
26 09 23 00-0167 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	425.77	12.37
26 09 23 00-0168 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0156)		
26 09 23 00-0169 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	338.95	12.37
26 09 23 00-0170 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	425.77	12.37
26 09 23 00-0171 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	425.77	12.37
26 09 23 00-0172 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0156)		
26 09 23 00-0173 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	261.78	12.37
26 09 23 00-0174 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	338.95	12.37
26 09 23 00-0175 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	310.01	12.37
26 09 23 00-0176 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	377.54	12.37
26 09 23 00-0177 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	338.95	12.37
26 09 23 00-0178 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	406.48	12.37
26 09 23 00-0179 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	338.95	12.37
26 09 23 00-0180 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0156)		
26 09 23 00-0181 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	261.78	12.37
26 09 23 00-0182 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	338.95	12.37
26 09 23 00-0183 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	338.95	12.37
26 09 23 00-0184 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	425.77	12.37
26 09 23 00-0185 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	338.95	12.37
26 09 23 00-0186 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	425.77	12.37
26 09 23 00-0187 Output Switch Closure Controls, Tabletop Wireless Transmitter ^(26 09 23 00-0156)		
26 09 23 00-0188 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	261.78	12.37
26 09 23 00-0189 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	338.95	12.37
26 09 23 00-0190 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	425.77	12.37
26 09 23 00-0191 Accessories For Tabletop Wireless Transmitter ^(26 09 23 00-0156)		
26 09 23 00-0192 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	59.20	12.37
26 09 23 00-0193 Wall Box Transmitters For Radio Controlled Devices ^(26 09 23 00-0155)		
26 09 23 00-0194 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	242.48	12.37
26 09 23 00-0195 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	261.78	12.37
26 09 23 00-0196 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	261.78	12.37
26 09 23 00-0197 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	261.78	12.37
26 09 23 00-0198 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	261.78	12.37
26 09 23 00-0199 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	261.78	12.37
26 09 23 00-0200 Interfaces For Radio Controlled Devices ^(26 09 23 00-0155)		
26 09 23 00-0201 EA Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	242.48	12.37
26 09 23 00-0202 EA Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	242.48	12.37
26 09 23 00-0203 EA Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	242.48	12.37
26 09 23 00-0204 EA Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCL-8).....	487.51	12.37
26 09 23 00-0205 EA RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	695.88	12.37
26 09 23 00-0206 EA Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	695.88	12.37



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0207 Fluorescent Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0208 EA On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	310.01	12.37
26 09 23 00-0209 EA Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	348.60	12.37
26 09 23 00-0210 EA Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	406.48	12.37
26 09 23 00-0211 AC Motor Group Controllers For Radio Controlled Devices <small>(26 09 23 00-0155)</small>		
26 09 23 00-0212 EA Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	454.71	12.37
26 09 23 00-0213 EA Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	623.53	12.37
26 09 23 00-0214 Occupancy Sensors (Watt Stopper) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0215 Occupancy Sensors <small>(26 09 23 00-0214)</small>		
Note: Exclude boxes.		
26 09 23 00-0216 Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0217 Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0218 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	94.09	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0219 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	110.84	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0220 Passive Infrared, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0221 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	69.39	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0222 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	69.39	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0223 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	76.45	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0224 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WI-200)	90.56	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0225 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	92.32	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0226 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	94.09	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0227 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors <small>(26 09 23 00-0216)</small>		
26 09 23 00-0228 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	121.43	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0229 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	139.06	8.24
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		4.94
26 09 23 00-0230 Wall Switch Mounted Occupancy Sensor Accessories <small>(26 09 23 00-0216)</small>		
26 09 23 00-0231 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	5.19	2.06
26 09 23 00-0232 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.33	2.06
26 09 23 00-0233 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.33	2.06
26 09 23 00-0234 Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0215)</small>		
26 09 23 00-0235 Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0234)</small>		
26 09 23 00-0236 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0237 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	123.53	18.54
26 09 23 00-0238 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	142.05	18.54
26 09 23 00-0239 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	159.68	18.54
26 09 23 00-0240 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	159.68	18.54
26 09 23 00-0241 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0242 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	131.46	18.54
26 09 23 00-0243 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	149.10	18.54
26 09 23 00-0244 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	166.74	18.54
26 09 23 00-0245 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	166.74	18.54
26 09 23 00-0246 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors <small>(26 09 23 00-0235)</small>		
26 09 23 00-0247 EA 600 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-605)	128.82	18.54

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0248 EA 1,100 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-1105).....	146.46	18.54
26 09 23 00-0249 EA 2,200 SF 360 Degree Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2205).....	164.09	18.54
26 09 23 00-0250 EA 90 LF Hallway Coverage, Panel Integrating, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WP-2255).....	164.09	18.54
26 09 23 00-0251 EA 600 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	138.52	18.54
26 09 23 00-0252 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	156.16	18.54
26 09 23 00-0253 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	174.68	18.54
26 09 23 00-0254 EA 90 LF Hallway Coverage, Isolated Relay, 35 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	174.68	18.54
26 09 23 00-0255 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0235)		
26 09 23 00-0256 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	138.52	18.54
26 09 23 00-0257 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	156.16	18.54
26 09 23 00-0258 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	174.68	18.54
26 09 23 00-0259 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	131.46	18.54
26 09 23 00-0260 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	149.10	18.54
26 09 23 00-0261 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	166.74	18.54
26 09 23 00-0262 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	131.46	18.54
26 09 23 00-0263 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	149.10	18.54
26 09 23 00-0264 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	166.74	18.54
26 09 23 00-0265 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0234)		
26 09 23 00-0266 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	102.36	18.54
26 09 23 00-0267 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	105.01	18.54
26 09 23 00-0268 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	116.47	18.54
26 09 23 00-0269 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	121.76	18.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 11.13</i>		
26 09 23 00-0270 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	121.76	18.54
26 09 23 00-0271 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	133.23	18.54
26 09 23 00-0272 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	136.75	18.54
26 09 23 00-0273 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0234)		
26 09 23 00-0274 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	172.03	18.54
26 09 23 00-0275 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	190.55	18.54
26 09 23 00-0276 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	190.55	18.54
26 09 23 00-0277 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0215)		
26 09 23 00-0278 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0277)		
26 09 23 00-0279 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	190.55	18.54
26 09 23 00-0280 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	190.55	18.54
26 09 23 00-0281 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0277)		
26 09 23 00-0282 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	190.55	18.54
26 09 23 00-0283 Occupancy Sensor Power Packs (26 09 23 00-0214)		
26 09 23 00-0284 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0285 EA 220 - 240 Volt AC, 20 Amp, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	60.31	16.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 9.89</i>		
26 09 23 00-0286 EA 347 Volt AC, 15 Amp, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	60.31	16.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 9.89</i>		
26 09 23 00-0287 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0283)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0288 EA 120, 277 Or 347 Volt AC, 20 Amp, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.02 9.89	16.48
26 09 23 00-0289 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0283)		
26 09 23 00-0290 EA 120/277 Volt AC, 20 Amp, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.36 9.89	16.48
26 09 23 00-0291 Form C, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0292 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.60 9.89	16.48
26 09 23 00-0293 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.60 9.89	16.48
26 09 23 00-0294 Two Relay, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0295 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.59 9.89	16.48
26 09 23 00-0296 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.59 9.89	16.48
26 09 23 00-0297 Occupancy Sensor Power Supplies (26 09 23 00-0283)		
26 09 23 00-0298 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-120) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.14 9.89	16.48
26 09 23 00-0299 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.14 9.89	16.48
26 09 23 00-0300 Intelligent, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0301 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100) 226.99	226.99	16.48
26 09 23 00-0302 DIN Rail Mounted, Occupancy Sensor Power Packs (26 09 23 00-0283)		
26 09 23 00-0303 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	70.01	16.48
26 09 23 00-0304 Occupancy Sensor Accessories (26 09 23 00-0214)		
26 09 23 00-0305 Protective Cages For Occupancy Sensors (26 09 23 00-0304)		
26 09 23 00-0306 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	41.47	6.18
26 09 23 00-0307 Mounting Brackets For Occupancy Sensors (26 09 23 00-0304)		
26 09 23 00-0308 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	32.07	10.30
26 09 23 00-0309 Occupancy/Lighting Logger (26 09 23 00-0304)		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0310 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	309.05	35.04
26 09 23 00-0311 Remove And Reinstall Occupancy Sensors (26 09 23 00-0304)		
26 09 23 00-0312 EA Remove And Reinstall Surface Mounted Occupancy Sensor Note: Includes storing and cleaning.	55.64	
26 09 23 00-0313 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor Note: Includes storing and cleaning.	24.73	
26 09 23 00-0314 Digital Time Light Switches (26 09 23 00-0214)		
26 09 23 00-0315 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	67.63	8.24
26 09 23 00-0316 Daylight Sensing Light Switches (26 09 23 00-0214)		
26 09 23 00-0317 EA User Adjustable Light Level Settings, Daylight Sensing Light Switch (Watt Stopper LS-100)	90.56	8.24
26 09 23 00-0318 Occupancy Sensors (Sensor Switch) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0319 Occupancy Sensors (Sensor Switch) (26 09 23 00-0318)		
Note: Exclude boxes		
26 09 23 00-0320 Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0319)		
26 09 23 00-0321 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) (26 09 23 00-0320)		

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0322	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	98.98	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
26 09 23 00-0323	EA		Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL).....	71.48	8.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0324	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD).....	68.46	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0325	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	68.46	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0326	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	85.23	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0327	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	85.23	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0328	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	102.42	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0329	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	85.23	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0330			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)		
			<small>(26 09 23 00-0320)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0331	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	126.48	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
26 09 23 00-0332	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	98.98	8.24
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0333	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	96.92	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0334	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	96.92	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0335	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	112.73	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	
26 09 23 00-0336	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	112.73	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0337	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	120.98	8.24
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
26 09 23 00-0338			Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)		
			<small>(26 09 23 00-0320)</small>		
26 09 23 00-0339	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	9.63	2.06
26 09 23 00-0340	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	9.63	2.06
26 09 23 00-0341	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	17.88	2.06
26 09 23 00-0342	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	17.88	2.06
26 09 23 00-0343			360 Degree View Occupancy Sensors (Sensor Switch)		
			<small>(26 09 23 00-0319)</small>		
26 09 23 00-0344			Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)		
			<small>(26 09 23 00-0343)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0345	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	119.60	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photocell Option With Dimming Capability, Add</i>	18.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0346 EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	119.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0347 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	119.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0348 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	126.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0349 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	126.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0350 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	104.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0351 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	153.98	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0352 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	153.98	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0353 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	131.98	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0354 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	119.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0355 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	119.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0356 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	119.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0357 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	126.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0358 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	126.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0359	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	104.48	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0360	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	153.98	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0361	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	153.98	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0362	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	131.98	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0363			Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)⁽²⁶		
			<small>09 23 00-0343</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0364	EA		Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0365	EA		Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0366	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0367	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	140.22	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0368	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	140.22	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0369	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	118.22	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Photozell Option With Dimming Capability, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0370	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	167.72	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0371	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	167.72	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Photozell Option With Dual Zone On/Off, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0372 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	145.72	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0373 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	147.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0374 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	147.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0375 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	147.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
26 09 23 00-0376 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	140.22	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0377 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	140.22	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0378 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	118.22	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Photocell Option With Dimming Capability, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0379 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	167.72	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0380 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	167.72	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0381 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	145.72	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	18.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0382 Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0319)</small>		
26 09 23 00-0383 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0382)</small>		
26 09 23 00-0384 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	119.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0385 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	133.35	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	7.50	
<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0386 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	160.85	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Ceiling Mount, Add</i>	12.50	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0387	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	153.98	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0388	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	181.48	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0389			Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0382)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0390	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
26 09 23 00-0391	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	167.72	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0392	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	195.22	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell (Inhibit Mode Only) Option, Add</i>	7.50	
			<i>For Ceiling Mount, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0393			High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0319)</small>		
26 09 23 00-0394			Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0393)</small>		
26 09 23 00-0395	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	119.60	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0396	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	119.60	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0397	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	119.60	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Low Voltage Relay Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0398	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	104.48	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0399	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	104.48	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0400	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	104.48	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Start To High, HID Option, Add</i>	7.50	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0401	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P).....	131.98	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0402	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P).....	131.98	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Photozell Option, Add</i>	12.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0403 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	131.98	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0404 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	114.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0405 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	114.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0406 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	114.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0407 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	114.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0408 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	114.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0409 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	114.10	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0410 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	133.35	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0411 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	133.35	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0412 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	133.35	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Low Voltage Relay Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
26 09 23 00-0413 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	159.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0414 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	159.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0415 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	159.48	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Start To High, HID Option, Add</i>	7.50	
<i>For Photocell Option, Add</i>	12.50	
<i>For Occupancy Controlled Dimming Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0416 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	141.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0417 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	141.60	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Photocell Option, Add</i>	12.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0418 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	120.98	18.54
<i>For Low Temp/High Humidity Option, Add</i>	6.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0419 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	120.98	18.54
For Low Temp/High Humidity Option, Add	6.25	
For PhotoCell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0420 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	120.98	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0421 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	120.98	18.54
For Low Temp/High Humidity Option, Add	6.25	
For PhotoCell Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0422 EA Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	133.35	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
26 09 23 00-0423 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	133.35	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Low Voltage Relay Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
26 09 23 00-0424 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	159.48	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0425 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	159.48	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Start To High, HID Option, Add	7.50	
For Occupancy Controlled Dimming Option, Add	12.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0426 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	153.98	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0427 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	140.22	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0428 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	140.22	18.54
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.13	
26 09 23 00-0429 Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0318)		
26 09 23 00-0430 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	71.47	16.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0431 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	98.97	16.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0432 EA Single Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	57.72	16.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0433 EA 2-Pole, 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	53.59	16.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0434 EA 20 Amp, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	67.35	16.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0435 EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	101.72	16.48
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0436 EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	101.72	16.48
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0437 EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	101.72	16.48
For Low Temp/High Humidity Option, Add	6.25	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.89	
26 09 23 00-0438 Occupancy Sensor Accessories (Sensor Switch) (26 09 23 00-0318)		
26 09 23 00-0439 Remove And Reinstall Occupancy Sensors (26 09 23 00-0438)		
26 09 23 00-0440 EA Remove And Reinstall Wall Switch Mounted Occupancy Sensor	24.73	
Note: Includes storing and cleaning.		
26 09 23 00-0441 EA Remove And Reinstall Surface Mounted Occupancy Sensor	55.64	
Note: Includes storing and cleaning.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0442			Daylighting Control (Sensor Switch) <small>(26 09 23 00-0318)</small>		
26 09 23 00-0443	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0444	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0445	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0446	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For 480 Volt AC Option, Add</i>	8.75	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0447	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For 480 Volt AC Option, Add</i>	8.75	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0448	EA		Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For 480 Volt AC Option, Add</i>	8.75	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0449	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0450	EA		Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0451	EA		Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0452	EA		Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0453	EA		Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0454	EA		Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	105.85	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0455	EA		Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0456	EA		Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0457	EA		Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
26 09 23 00-0458	EA		Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0459	EA		Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0460	EA		Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	147.10	18.54
			<i>For Low Temp/High Humidity Option, Add</i>	6.25	
			<i>For Dual Zone Option, Add</i>	18.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.13	
26 09 23 00-0461			Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23)</small>		
			Note: Includes testing of new devices and certification.		
26 09 23 00-0462			Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0461)</small>		
			Note: Excludes boxes.		
26 09 23 00-0463			Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0462)</small>		
26 09 23 00-0464			Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) <small>(26 09 23 00-0463)</small>		
			Note: Includes passive infrared and microphonics detection		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0465 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	173.50	8.24
26 09 23 00-0466 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0467 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0466)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0468 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	209.64	18.54
26 09 23 00-0469 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	209.64	18.54
26 09 23 00-0470 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	209.64	18.54
26 09 23 00-0471 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0466)		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0472 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	244.15	18.54
26 09 23 00-0473 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	244.15	18.54
26 09 23 00-0474 EA 2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	252.77	18.54
26 09 23 00-0475 Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0476 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0475)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0477 EA Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	244.15	18.54
26 09 23 00-0478 High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0462)		
26 09 23 00-0479 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0478)		
26 09 23 00-0480 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	209.64	18.54
26 09 23 00-0481 Occupancy Sensor Power Packs (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0482 EA 150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	76.10	16.48
26 09 23 00-0483 EA 250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	93.37	16.48
26 09 23 00-0484 EA 30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	122.69	16.48
26 09 23 00-0485 EA System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	122.69	16.48
26 09 23 00-0486 Occupancy Sensor Accessories (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0487 EA RS232 AV Integrator (Sensor Switch nLight® nIO X).....	252.77	18.54
26 09 23 00-0488 EA 8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	339.07	18.54
26 09 23 00-0489 Daylighting Controls (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0490 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	175.14	18.54
26 09 23 00-0491 Controls (Sensor Switch nLight®) (26 09 23 00-0461)		
26 09 23 00-0492 EA On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	118.20	18.54
26 09 23 00-0493 EA 1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	166.52	18.54
26 09 23 00-0494 EA On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	373.56	18.54
26 09 23 00-0495 EA 3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	373.56	18.54
26 09 23 00-0496 EA 3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	1,374.32	18.54
26 09 23 00-0497 Occupancy Sensors (Lutron) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0498 Wireless Occupancy Sensors (26 09 23 00-0497)		
26 09 23 00-0499 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	94.83	18.54
26 09 23 00-0500 EA Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	94.83	18.54
26 09 23 00-0501 EA Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	94.83	18.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0502 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	94.83	18.54
26 09 23 00-0503 EA Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	94.83	18.54
26 09 23 00-0504 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	94.83	18.54
26 09 23 00-0505 EA Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	94.83	18.54
26 09 23 00-0506 EA Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	67.52	18.54
26 09 23 00-0507 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	138.34	18.54
26 09 23 00-0508 EA Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	146.77	18.54
26 09 23 00-0509 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	171.94	18.54
26 09 23 00-0510 EA Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	185.84	18.54
26 09 23 00-0511 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	185.23	18.54
26 09 23 00-0512 EA Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	196.96	18.54
26 09 23 00-0513 EA Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	129.59	18.54
26 09 23 00-0514 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	115.18	18.54
26 09 23 00-0515 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	146.10	18.54
26 09 23 00-0516 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	151.98	18.54
26 09 23 00-0517 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	178.95	18.54
26 09 23 00-0518 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	149.45	18.54
26 09 23 00-0519 Nodes And Modules <small>(26 09 23 00-0497)</small>		
26 09 23 00-0520 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	132.18	18.54
26 09 23 00-0521 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	132.18	18.54
26 09 23 00-0522 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	170.21	18.54
26 09 23 00-0523 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	170.21	18.54
26 09 23 00-0524 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	229.24	20.61
26 09 23 00-0525 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	243.34	20.61
26 09 23 00-0526 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	285.39	20.61
26 09 23 00-0527 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	286.97	20.61
26 09 23 00-0528 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	354.90	20.61
26 09 23 00-0529 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	386.76	20.61
26 09 23 00-0530 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	372.66	20.61
26 09 23 00-0531 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	868.18	32.97
26 09 23 00-0532 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,148.88	37.10
26 09 23 00-0533 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	1,434.44	41.21
26 09 23 00-0534 Other Accessories <small>(26 09 23 00-0497)</small>		
26 09 23 00-0535 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	26.37	
26 09 23 00-0536 EA Pico® Wireless Control (Lutron® PJ)	43.64	
26 09 23 00-0537 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	77.85	
26 09 23 00-0538 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	159.88	
26 09 23 00-0539 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	152.39	18.54
26 09 23 00-0540 EA seeTouch® QS Wallstation (Lutron® QSWS2)	224.44	18.54
26 09 23 00-0541 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	253.26	18.54
26 09 23 00-0542 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	358.25	20.61
26 09 23 00-0543 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	473.54	20.61
26 09 23 00-0544 EA Control Interface (Lutron® QSE-CI-NWK-E)	577.52	18.54
26 09 23 00-0545 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	582.06	18.54
26 09 23 00-0546 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	776.69	18.54
26 09 23 00-0547 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	1,441.85	576.05
26 09 23 00-0548 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	1,899.70	576.05
26 09 23 00-0549 Fixture Mounted Occupancy Sensors (Leviton) <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0550 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	96.25	18.54
26 09 23 00-0551 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W)	105.15	18.54
26 09 23 00-0552 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	101.49	18.54
26 09 23 00-0553 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	112.05	18.54
26 09 23 00-0554 Wireless Enabled Communication Devices For Streetlights <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		

26 Electrical**26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0555 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0554)</small>		
26 09 23 00-0556 Wireless Enabled Communication Nodes For Streetlights (Roam®) <small>(26 09 23 00-0555)</small> Note: 2.4GHz wireless enabled communication node for wireless remote on/off, group scheduling, photocontrol and diagnostics.		
26 09 23 00-0557 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	178.43	
26 09 23 00-0558 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	247.44	
26 09 23 00-0559 Wireless Enabled Communication Devices For Streetlights (Roam®) <small>(26 09 23 00-0555)</small>		
26 09 23 00-0560 EA Retrofit Receptacle Kit (Roam® DUR103)	35.22	
26 09 23 00-0561 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	6,994.30	46.25
26 09 23 00-0562 Consoles <small>(26 09 23)</small>		
26 09 23 00-0563 EA 20" X 24" Oil Tight Console, Counter Mounted.....	365.84	102.86
26 09 23 00-0564 Emergency Lighting Controls <small>(26 09 23)</small>		
26 09 23 00-0565 Emergency Lighting Control Units (Watt Stopper ELCU) <small>(26 09 23 00-0564)</small> Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0566 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	144.11	20.61
26 09 23 00-0567 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	140.96	20.61
26 09 23 00-0568 Emergency Shunt Relays (Lighting Control & Design GR 2001™) <small>(26 09 23 00-0564)</small> Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0569 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	213.57	28.85
26 09 23 00-0570 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	288.55	32.97
26 09 23 00-0571 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	385.92	37.10
Note: Controls normal and emergency lighting from single-pole wall switch.		

26 10 Medium-Voltage Electrical Distribution (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)**26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section** (26 11 13)**26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"** (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003 EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	33,072.49	1,426.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	870.82	
26 11 13 00-0004 EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	40,586.37	1,804.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,088.52	
26 11 13 00-0005 EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	45,866.08	1,804.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,088.52	
26 11 13 00-0006 EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	52,670.23	1,804.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,161.08	
26 11 13 00-0007 EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amp, "Switchyard" Substation.....	59,772.33	2,224.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,339.72	

26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers (26 11 13 00-0001)

26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179.....	957.53	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.09	
26 11 13 00-0010 EA Overcurrent Relay, 1 Phase, #51/51N.....	327.64	109.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.42	
26 11 13 00-0011 EA Directional Overcurrent Relay, Three-Phase, Device No. 67.....	479.27	109.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.04	
26 11 13 00-0012 EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	379.72	109.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.42	
26 11 13 00-0013 EA Differential Relay Package, Complete, Device No. 87.....	1,420.74	368.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	222.59	

26 11 13 00-0014 "Switchyard", Substation Transformer Section (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

26 11 13 00-0015 14.4 KV Nominal Primary (26 11 13 00-0014)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	19,336.48 1,972.05 1,972.05 493.01 164.34 821.69 2,054.22 2,465.06	1,426.88
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	22,181.42 2,226.36 2,226.36 556.59 185.53 927.65 2,319.13 2,782.95	1,787.79
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	34,029.79 3,464.33 3,464.33 866.08 288.69 1,443.47 3,608.68 4,330.41	2,518.02
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	49,121.69 5,108.43 5,108.43 1,277.11 425.70 2,128.51 5,321.29 6,385.54	3,037.47
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	60,545.85 6,282.79 6,282.79 1,570.70 523.57 2,617.83 6,544.57 7,853.49	3,930.84
26 11 13 00-0021 23 KV Nominal Primary <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	21,705.95 2,169.31 542.33 180.78 903.88 2,259.69 2,711.63 1,446.20	1,930.48
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	24,837.62 2,454.74 613.68 204.56 1,022.81 2,557.02 3,068.42 1,636.49	1,930.48
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	39,567.99 4,051.51 1,012.88 337.63 1,688.13 4,220.32 5,064.38 2,701.00	2,853.76
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	53,206.14 5,402.03 1,350.51 450.17 2,250.84 5,627.11 6,752.53 3,601.35	3,930.84
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	65,439.01 6,869.97 1,717.49 572.50 2,862.49 7,156.22 8,587.46 4,579.98	3,930.84

26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0028	EA		1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	27,216.23	2,308.18
			<i>For 50 Hz Operation, Add</i>	2,740.17	
			<i>For External Control Panel, Add</i>	685.04	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	228.35	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,141.74	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	2,854.35	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	3,425.22	
			<i>For Forced Air Cooling, Add</i>	1,826.78	
26 11 13 00-0029	EA		2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	32,869.67	3,609.17
			<i>For 50 Hz Operation, Add</i>	3,311.04	
			<i>For External Control Panel, Add</i>	827.76	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	275.92	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,379.60	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	3,449.00	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	4,138.80	
			<i>For Forced Air Cooling, Add</i>	2,207.36	
26 11 13 00-0030	EA		5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	45,423.43	3,609.17
			<i>For 50 Hz Operation, Add</i>	4,580.00	
			<i>For External Control Panel, Add</i>	1,145.00	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	381.67	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,908.33	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,770.83	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,725.00	
			<i>For Forced Air Cooling, Add</i>	3,053.33	
26 11 13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	58,099.25	3,841.51
			<i>For 50 Hz Operation, Add</i>	5,989.20	
			<i>For External Control Panel, Add</i>	1,497.30	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	499.10	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,495.50	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	6,238.75	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	7,486.50	
			<i>For Forced Air Cooling, Add</i>	3,992.80	
26 11 13 00-0032	EA		10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	99,537.45	4,913.55
			<i>For 50 Hz Operation, Add</i>	10,686.62	
			<i>For External Control Panel, Add</i>	2,671.66	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	890.55	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	4,452.76	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	11,131.90	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	13,358.28	
			<i>For Forced Air Cooling, Add</i>	7,124.42	
26 11 13 00-0033			46 KV Nominal Primary (26 11 13 00-0014)		
26 11 13 00-0034	EA		1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	41,400.89	2,685.89
			<i>For 50 Hz Operation, Add</i>	4,334.79	
			<i>For External Control Panel, Add</i>	1,083.70	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	361.23	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,806.16	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,515.40	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,418.48	
			<i>For Forced Air Cooling, Add</i>	2,889.86	
26 11 13 00-0035	EA		2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	46,758.89	2,685.89
			<i>For 50 Hz Operation, Add</i>	4,914.41	
			<i>For External Control Panel, Add</i>	1,228.60	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	409.53	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,047.67	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	5,119.18	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	6,143.02	
			<i>For Forced Air Cooling, Add</i>	3,276.28	
26 11 13 00-0036	EA		5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	64,589.89	3,609.17
			<i>For 50 Hz Operation, Add</i>	6,879.97	
			<i>For External Control Panel, Add</i>	1,719.99	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	573.33	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,866.66	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	7,166.64	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	8,599.97	
			<i>For Forced Air Cooling, Add</i>	4,586.65	
26 11 13 00-0037	EA		7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	79,374.69	4,913.55
			<i>For 50 Hz Operation, Add</i>	8,267.09	
			<i>For External Control Panel, Add</i>	2,066.77	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	688.92	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	3,444.62	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	8,611.56	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	10,333.87	
			<i>For Forced Air Cooling, Add</i>	5,511.40	
26 11 13 00-0038	EA		10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled.....	111,800.63	4,913.55
			<i>For 50 Hz Operation, Add</i>	12,158.21	
			<i>For External Control Panel, Add</i>	3,039.55	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	1,013.18	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	5,065.92	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	12,664.80	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	15,197.76	
			<i>For Forced Air Cooling, Add</i>	8,105.47	

26 11 13 00-0039 69 KV Nominal Primary (26 11 13 00-0014)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	59,179.48 6,404.88 1,601.22 533.74 2,668.70 6,671.76 8,006.11 4,269.92	2,853.76
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	68,106.71 7,301.99 1,825.50 608.50 3,042.50 7,606.24 9,127.49 4,867.99	3,609.17
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	92,967.02 10,285.23 2,571.31 857.10 4,285.51 10,713.78 12,856.53 6,856.82	3,609.17
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	99,181.65 10,643.93 2,660.98 886.99 4,434.97 11,087.43 13,304.91 7,095.95	4,913.55
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	129,124.76 14,237.10 3,559.28 1,186.43 5,932.13 14,830.31 17,796.38 9,491.40	4,913.55
26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	35,038.02	707.22
26 11 13 00-0047 EA 1,200 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	38,433.09	707.22
26 11 13 00-0048 EA 1,200 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	43,795.87	878.48
26 11 13 00-0049 EA 2,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	41,077.60	1,056.33
26 11 13 00-0050 EA 2,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	46,206.56	1,056.33
26 11 13 00-0051 EA 2,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	52,726.50	1,227.22
26 11 13 00-0052 EA 3,000 Amp, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,428.00	1,402.10
26 11 13 00-0053 EA 3,000 Amp, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	60,813.85	1,402.10
26 11 13 00-0054 EA 3,000 Amp, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section.....	63,796.82	1,574.57
26 11 16 Secondary Unit Substations <small>(26 11)</small>		
26 11 16 00-0001 Substation Primary Incoming Section <small>(26 11 16)</small>		
26 11 16 00-0002 Manual Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 00-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position.....	21,148.64	1,038.53
26 11 16 00-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position	24,337.66	1,038.53
26 11 16 00-0005 Automatic Transferring Fused Load Break Switches <small>(26 11 16 00-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 00-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	29,844.11	1,038.53
26 11 16 00-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amp, 3 Pole, 2 Position Selector Switch	31,919.55	1,038.53
26 11 16 00-0008 Accessories For Substation Fused Load Break Switches <small>(26 11 16 00-0001)</small>		
26 11 16 00-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section	5,127.58	
26 11 16 00-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	499.10	
26 11 16 00-0011 Oil Filled Substation Transformers <small>(26 11 16)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 00-0012 Substation, Primary 13.8 KV Secondary 480Y/277 V Or 480 V 60 HZ <small>(26 11 16 00-0011)</small>		

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 11 Substations



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0013	EA		75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	9,652.63 593.43 254.33 84.78	587.54
26 11 16 00-0014	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	13,921.38 886.37 379.87 126.62	629.51
26 11 16 00-0015	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	15,694.25 1,004.59 430.54 143.51	671.47
26 11 16 00-0016	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	18,338.29 1,183.80 507.34 169.11	713.43
26 11 16 00-0017	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	20,200.63 1,308.29 560.69 186.90	755.41
26 11 16 00-0018	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	21,324.14 1,381.06 591.88 197.29	797.37
26 11 16 00-0019	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	24,689.75 1,610.77 690.33 230.11	839.34
26 11 16 00-0020	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	26,354.65 1,712.63 733.98 244.66	944.26
26 11 16 00-0021	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	29,400.10 1,917.00 821.57 273.86	1,007.20
26 11 16 00-0022	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	33,992.81 2,226.74 954.32 318.11	1,091.14
26 11 16 00-0023	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	37,306.25 2,446.93 1,048.68 349.56	1,175.07
26 11 16 00-0024			Substation, Primary 13.8 KV Secondary 208Y/120 V 60 HZ <small>(26 11 16 00-0011)</small>		
26 11 16 00-0025	EA		75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	9,229.70 563.82 241.64 80.55	587.54
26 11 16 00-0026	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	13,784.23 876.77 375.76 125.25	629.51
26 11 16 00-0027	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	15,684.89 1,003.94 430.26 143.42	671.47
26 11 16 00-0028	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	18,354.39 1,184.93 507.83 169.28	713.43
26 11 16 00-0029	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	21,844.05 1,423.33 610.00 203.33	755.41
26 11 16 00-0030	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	23,370.50 1,524.30 653.27 217.76	797.37
26 11 16 00-0031	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	25,634.68 1,676.92 718.68 239.56	839.34
26 11 16 00-0032	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	27,982.38 1,826.57 782.82 260.94	944.26
26 11 16 00-0033	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof..... <i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i> <i>For Control Power Transformer On Fans And Auxiliary, Add</i> <i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	31,505.00 2,064.34 884.72 294.91	1,007.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0034 Accessories For Oil Filled Substation Transformers <small>(26 11 16 00-0011)</small>		
26 11 16 00-0035 EA Sudden Pressure Relay.....	2,569.52	
26 11 16 00-0036 EA Throats Or Flanges (HV Or LV).....	5,101.36	
26 11 16 00-0037 EA Lightning Arrestors (3 - 1 Pole).....	3,359.05	
26 11 16 00-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	18,641.04	
26 11 16 00-0039 EA Oil Fuse Cutout, 15 KV, 200 Amp, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout.....	17,440.55	
26 11 16 00-0040 Reinforced Concrete Curb With 6" Slab <small>(26 11 16 00-0011)</small>		
Note: For transformer liquid containment area.		
26 11 16 00-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area.....	3,213.56	951.35
26 11 16 00-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid.....	3,748.28	1,096.92
26 11 16 00-0049 Dry Type Substation Transformer <small>(26 11 16)</small>		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
26 11 16 00-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 V <small>(26 11 16 00-0049)</small>		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 00-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,645.63	671.47
<i>For Gas Filled Transformers, Add</i>		
9,181.61		
<i>For Single Phase Transformers, Deduct</i>		
-382.57		
<i>For Dry Type Unit, Add</i>		
3,500.89		
26 11 16 00-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,729.57	713.43
<i>For Gas Filled Transformers, Add</i>		
9,181.61		
<i>For Single Phase Transformers, Deduct</i>		
-382.57		
<i>For Dry Type Unit, Add</i>		
3,509.28		
26 11 16 00-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	17,180.70	839.34
<i>For Gas Filled Transformers, Add</i>		
9,301.21		
<i>For Single Phase Transformers, Deduct</i>		
-387.55		
<i>For Dry Type Unit, Add</i>		
3,578.31		
26 11 16 00-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	18,960.45	923.28
<i>For Gas Filled Transformers, Add</i>		
10,268.34		
<i>For Single Phase Transformers, Deduct</i>		
-427.85		
<i>For Dry Type Unit, Add</i>		
3,949.71		
26 11 16 00-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	21,097.98	1,091.14
<i>For Gas Filled Transformers, Add</i>		
11,349.41		
<i>For Single Phase Transformers, Deduct</i>		
-472.89		
<i>For Dry Type Unit, Add</i>		
4,379.68		
26 11 16 00-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	24,439.32	1,259.01
<i>For Gas Filled Transformers, Add</i>		
13,152.78		
<i>For Single Phase Transformers, Deduct</i>		
-548.03		
<i>For Dry Type Unit, Add</i>		
5,074.49		
26 11 16 00-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	28,414.67	1,510.81
<i>For Gas Filled Transformers, Add</i>		
15,235.83		
<i>For Single Phase Transformers, Deduct</i>		
-634.83		
<i>For Dry Type Unit, Add</i>		
5,888.63		
26 11 16 00-0058 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	33,499.73	1,678.68
<i>For Gas Filled Transformers, Add</i>		
18,085.42		
<i>For Single Phase Transformers, Deduct</i>		
-753.56		
<i>For Dry Type Unit, Add</i>		
6,967.06		
26 11 16 00-0059 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	43,076.80	1,762.61
<i>For Gas Filled Transformers, Add</i>		
23,730.94		
<i>For Single Phase Transformers, Deduct</i>		
-988.79		
<i>For Dry Type Unit, Add</i>		
9,053.87		
26 11 16 00-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 V <small>(26 11 16 00-0049)</small>		
Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 00-0061 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,102.58	671.47
<i>For Gas Filled Transformers, Add</i>		
8,855.78		
<i>For Single Phase Transformers, Deduct</i>		
-368.99		
<i>For Dry Type Unit, Add</i>		
3,381.41		
26 11 16 00-0062 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	16,729.57	713.43
<i>For Gas Filled Transformers, Add</i>		
9,181.61		
<i>For Single Phase Transformers, Deduct</i>		
-382.57		
<i>For Dry Type Unit, Add</i>		
3,509.28		
26 11 16 00-0063 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	17,180.70	839.34
<i>For Gas Filled Transformers, Add</i>		
9,301.21		
<i>For Single Phase Transformers, Deduct</i>		
-387.55		
<i>For Dry Type Unit, Add</i>		
3,578.31		
26 11 16 00-0064 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer.....	18,960.45	923.28
<i>For Gas Filled Transformers, Add</i>		
10,268.34		
<i>For Single Phase Transformers, Deduct</i>		
-427.85		
<i>For Dry Type Unit, Add</i>		
3,949.71		

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0065 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	21,097.98	1,091.14
For Gas Filled Transformers, Add	11,349.41	
For Single Phase Transformers, Deduct	-472.89	
For Dry Type Unit, Add	4,379.68	
26 11 16 00-0066 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	24,439.32	1,259.01
For Gas Filled Transformers, Add	13,152.78	
For Single Phase Transformers, Deduct	-548.03	
For Dry Type Unit, Add	5,074.49	
26 11 16 00-0067 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	28,414.67	1,510.81
For Gas Filled Transformers, Add	15,235.83	
For Single Phase Transformers, Deduct	-634.83	
For Dry Type Unit, Add	5,888.63	
26 11 16 00-0068 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	33,499.73	1,678.68
For Gas Filled Transformers, Add	18,085.42	
For Single Phase Transformers, Deduct	-753.56	
For Dry Type Unit, Add	6,967.06	
26 11 16 00-0069 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	43,076.80	1,762.61
For Gas Filled Transformers, Add	23,730.94	
For Single Phase Transformers, Deduct	-988.79	
For Dry Type Unit, Add	9,053.87	
26 11 16 00-0070 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	47,209.23	1,846.55
For Gas Filled Transformers, Add	26,109.68	
For Single Phase Transformers, Deduct	-1,087.90	
For Dry Type Unit, Add	9,942.86	
26 11 16 00-0071 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	52,583.15	1,930.48
For Gas Filled Transformers, Add	29,233.31	
For Single Phase Transformers, Deduct	-1,218.05	
For Dry Type Unit, Add	11,104.98	
26 11 16 00-0072 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	60,435.33	2,014.42
For Gas Filled Transformers, Add	33,843.90	
For Single Phase Transformers, Deduct	-1,410.16	
For Dry Type Unit, Add	12,812.31	
26 11 16 00-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 V Or 240 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0074 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	17,937.27	755.41
For Gas Filled Transformers, Add	9,855.88	
For Single Phase Transformers, Deduct	-410.66	
For Dry Type Unit, Add	3,764.90	
26 11 16 00-0075 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	18,561.12	797.37
For Gas Filled Transformers, Add	10,179.82	
For Single Phase Transformers, Deduct	-424.16	
For Dry Type Unit, Add	3,892.08	
26 11 16 00-0076 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	19,919.42	923.28
For Gas Filled Transformers, Add	10,843.72	
For Single Phase Transformers, Deduct	-451.82	
For Dry Type Unit, Add	4,160.69	
26 11 16 00-0077 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	21,060.38	1,007.20
For Gas Filled Transformers, Add	11,427.58	
For Single Phase Transformers, Deduct	-476.15	
For Dry Type Unit, Add	4,391.55	
26 11 16 00-0078 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	24,039.16	1,175.07
For Gas Filled Transformers, Add	13,013.41	
For Single Phase Transformers, Deduct	-542.23	
For Dry Type Unit, Add	5,006.60	
26 11 16 00-0079 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	26,677.37	1,342.94
For Gas Filled Transformers, Add	14,394.89	
For Single Phase Transformers, Deduct	-599.79	
For Dry Type Unit, Add	5,546.71	
26 11 16 00-0080 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	31,175.36	1,594.75
For Gas Filled Transformers, Add	16,791.52	
For Single Phase Transformers, Deduct	-699.65	
For Dry Type Unit, Add	6,475.84	
26 11 16 00-0081 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	37,624.33	1,762.61
For Gas Filled Transformers, Add	20,459.46	
For Single Phase Transformers, Deduct	-852.48	
For Dry Type Unit, Add	7,854.33	
26 11 16 00-0082 EA 2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	45,219.10	1,846.55
For Gas Filled Transformers, Add	24,915.61	
For Single Phase Transformers, Deduct	-1,038.15	
For Dry Type Unit, Add	9,505.03	
26 11 16 00-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 V Or 480 V <small>(26 11 16 00-0049)</small>		
26 11 16 00-0084 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	17,937.27	755.41
For Gas Filled Transformers, Add	9,855.88	
For Single Phase Transformers, Deduct	-410.66	
For Dry Type Unit, Add	3,764.90	
26 11 16 00-0085 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	18,561.12	797.37
For Gas Filled Transformers, Add	10,179.82	
For Single Phase Transformers, Deduct	-424.16	
For Dry Type Unit, Add	3,892.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0086 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	19,919.42 10,843.72 -451.82 4,160.69	923.28
26 11 16 00-0087 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	21,060.38 11,427.58 -476.15 4,391.55	1,007.20
26 11 16 00-0088 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,039.16 13,013.41 -542.23 5,006.60	1,175.07
26 11 16 00-0089 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	23,538.35 12,511.48 -521.31 4,856.13	1,342.94
26 11 16 00-0090 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	24,726.61 12,922.27 -538.43 5,057.12	1,594.75
26 11 16 00-0091 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	30,235.91 16,026.41 -667.77 6,228.87	1,762.61
26 11 16 00-0092 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	35,642.72 19,169.78 -798.74 7,398.23	1,846.55
26 11 16 00-0093 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	39,727.09 21,519.68 -896.65 8,276.64	1,930.48
26 11 16 00-0094 EA 3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	46,420.04 25,434.73 -1,059.78 9,728.95	2,014.42
26 11 16 00-0095 EA 3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	56,600.78 31,442.45 -1,310.10 11,948.57	2,098.35
26 11 16 00-0096 Substation Secondary Distribution Section (26 11 16) Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 11 16 00-0097 Switchgear Compartment Complete With Air Circuit Breaker (26 11 16 00-0096) Note: With solid state long - time and instantaneous trips.		
26 11 16 00-0098 EA 800 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	8,860.93	726.37
26 11 16 00-0099 EA 1,600 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	14,119.17	1,098.20
26 11 16 00-0100 EA 2,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	19,126.65	1,348.97
26 11 16 00-0101 EA 3,200 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	31,473.72	1,565.16
26 11 16 00-0102 EA 4,000 Amp, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	40,369.60	1,781.34
26 11 16 00-0103 Switchgear Compartment Without Circuit Breaker (26 11 16 00-0096)		
26 11 16 00-0104 EA 800 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	3,927.81	220.50
26 11 16 00-0105 EA 1,600 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,538.46	220.50
26 11 16 00-0106 EA 2,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,936.69	324.28
26 11 16 00-0107 EA 3,200 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,436.59	324.28
26 11 16 00-0108 EA 4,000 Amp, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,037.71	475.60
26 11 16 00-0109 Switchgear Compartment, Blank, Use As Filler Or Metering (26 11 16 00-0096) Note: No provisions for future breaker.		
26 11 16 00-0110 EA 600 Thru 2,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,247.98 140.92	246.44
26 11 16 00-0111 EA 3,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,802.09 165.43	246.44
26 11 16 00-0112 EA 4,000 Amp, Blank Section Filler, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,678.99 237.80	380.48
26 11 16 00-0113 Accessories For Substation Secondary Distribution (26 11 16 00-0096)		
26 11 16 00-0114 EA Short Time Delay Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,189.50 45.14	
26 11 16 00-0115 EA Key Interlock Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	939.95 45.14	
26 11 16 00-0116 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,837.51 45.14	75.23
26 11 16 00-0117 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,837.51 45.14	75.23
26 11 16 00-0118 EA Wattmeter - Complete Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,732.15 45.14	75.23

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 11	Substations



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 00-0119 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,815.12 45.14	75.23
26 11 16 00-0120 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,131.80 51.44	85.75
26 11 16 00-0121 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,364.63 761.96	1,269.93
26 11 16 00-0122 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	1,321.34	75.23
26 11 16 00-0123 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	1,540.55	75.23
26 11 16 00-0124 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	820.76 22.57	37.62
26 11 16 00-0125 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,031.51 45.14	75.23
26 11 16 00-0126 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	783.09	37.62

26 12 Medium-Voltage Transformers ^(26 10)

26 12 13 Liquid-Filled, Medium-Voltage Transformers ^(26 12)

26 12 13 00-0001 Removal And Relocation Of Transformers ^(26 12 13)

26 12 13 00-0002 EA Remove And Relocate Oil Filled Transformer, Up To 37.5 KVA.....	874.77	
26 12 13 00-0003 EA Remove And Relocate Oil Filled Transformers, >37.5 To 100 KVA.....	1,609.82	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers ^(26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent

Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA ^(26 12 13 00-0004)

26 12 13 00-0006 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,397.60	349.50
26 12 13 00-0007 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	1,703.44	436.87
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	2,004.31	524.24
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,561.00	655.31
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,051.99	786.37
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	3,970.53	917.43
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	4,713.87	1,092.18

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent

Taps FCAN And FCBN. Rated To 5 KVA ^(26 12 13 00-0004)

26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,397.60	349.50
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,722.63	436.87
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,004.31	524.24
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,561.00	655.31
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,051.99	786.37
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,773.35	917.43
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,613.74	1,092.18

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps

FCBN And FCAN ^(26 12 13 00-0004)

26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,375.22	349.50
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,642.69	436.87
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	1,944.23	524.24
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,547.14	655.31
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	2,993.45	786.37
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	3,810.32	917.43
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	4,622.98	1,092.18

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent

Taps FCBN And FCAN ^(26 12 13 00-0004)

26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,479.14	349.50
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,749.80	436.87
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,224.84	524.24
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	2,796.93	655.31
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	3,273.47	786.37
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	4,224.45	917.43
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,291.53	1,092.18

26 12 13 00-0037 Transformer Platforms ^(26 12 13 00-0004)

26 12 13 00-0038 EA Transformer Platforms, 75 - 167 KVA	3,793.69	590.22
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26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops

FCBN Auto FCAN ^(26 12 13 00-0004)

26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,272.88	699.00
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,535.19	786.37
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,924.67	873.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,931.77	1,223.25
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,495.72	1,397.99
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,887.13	1,747.49
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,958.70	1,922.24
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,075.60	2,446.49
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,876.41	2,795.99
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	13,224.66	3,494.99
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	16,832.39	4,368.73
26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL (26 12 13 00-0004)		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,397.60	427.96
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	1,703.44	534.91
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,003.95	641.24
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	2,561.85	803.59
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,051.19	962.60
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	3,969.42	1,121.10
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase.....	4,713.87	1,337.36
26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN (26 12 13 00-0004)		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,397.60	427.96
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,722.63	534.91
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,003.95	641.24
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,561.85	803.59
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,051.19	962.60
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,772.24	1,121.10
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,613.74	1,337.36
26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y (26 12 13 00-0004)		
26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,229.46	349.50
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,497.22	436.87
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,759.42	524.24
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,257.15	655.31
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,771.28	786.37
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,865.83	917.43
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,509.65	1,092.18
26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN (26 12 13 00-0067)		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,178.59	349.50
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,433.27	436.87
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	1,730.35	524.24
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,199.02	655.31
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	2,691.35	786.37
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	3,575.17	917.43
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	4,218.99	1,092.18
26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers (26 12 13)		
26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 V (26 12 13 00-0084)		
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	6,405.43	1,922.24
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	8,184.67	2,446.49
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	9,656.67	2,621.24
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	12,343.91	3,276.55
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	17,525.97	4,368.73
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	23,677.44	5,024.05
26 12 16 Dry-Type, Medium-Voltage Transformers (26 12)		
26 12 16 00-0001 Removal and Relocation of Transformers (26 12 16)		
26 12 16 00-0002 EA Remove And Relocate "Dry Type" Transformer Up To 37.5 KVA.....	348.32	
26 12 16 00-0003 EA Remove And Relocate "Dry Type" Transformer, >37.5 To 112.5 KVA.....	1,548.12	
26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers (26 12)		
26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers (26 12 19)		
Note: Designed for residential and multi-family buildings. UL listed.		

26	Electrical
26 10	Medium-Voltage Electrical Distribution
26 12	Medium-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <small>(26 12 19 00-0001)</small> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta <small>(26 12 19 00-0002)</small> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,574.83	419.67
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	2,881.47	419.67
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,432.02	574.95
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,157.27	574.95
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,699.27	755.41
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,069.05	755.41
26 12 19 00-0010		Factory Modifications Material Cost Only <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	433.22	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	500.72	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer <small>(26 12 19 00-0001)</small> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,110.61	419.67
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,564.43	419.67
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,895.07	574.95
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,758.44	574.95
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,324.00	755.41
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	6,439.49	755.41
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	9,933.97	1,049.18
26 12 19 00-0023		Factory Modifications Material Cost Only <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	577.63	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	146.36	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	455.20	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	740.87	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	197.78	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	171.09	
26 12 19 00-0030		Primary, 12.47 KV Ground Y Or Delta <small>(26 12 19 00-0014)</small> Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,323.50	419.67
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,635.28	419.67
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	3,867.22	574.95
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	4,588.15	574.95
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	5,677.19	755.41
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	7,062.12	755.49
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	8,940.29	1,049.18
26 12 19 00-0038		Oil Filled Distribution Transformer Single Phase Cluster Mounted <small>(26 12 19 00-0001)</small> Note: Conventional type.		
26 12 19 00-0039		13.8/14.4 KV Ground Y Or Delta Primary 120/240V <small>(26 12 19 00-0038)</small> Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,282.98	296.72
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	2,896.74	417.27



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0042	EA			50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,377.81	667.62
26 12 19 00-0043	EA			100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,455.90	667.62
26 12 19 00-0044	EA			167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,159.66	1,094.16
26 12 19 00-0045	EA			250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,318.76	1,094.16
26 12 19 00-0046				Oil Filled Distribution Transformer Single Phase (26 12 19 00-0001)		
26 12 19 00-0047				7.2 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		
26 12 19 00-0048	EA			10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,226.30	315.27
26 12 19 00-0049	EA			15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,436.62	315.27
26 12 19 00-0050	EA			25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,845.42	445.08
26 12 19 00-0051	EA			37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,717.58	445.08
26 12 19 00-0052	EA			50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,288.09	602.72
26 12 19 00-0053	EA			100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,311.14	927.25
26 12 19 00-0054	EA			167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,046.30	927.25
26 12 19 00-0055	EA			250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,143.77	1,159.07
26 12 19 00-0056				7.2 KV Primary, 240/480 V Secondary (26 12 19 00-0046)		
26 12 19 00-0057	EA			10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,226.30	315.27
26 12 19 00-0058	EA			15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,436.62	315.27
26 12 19 00-0059	EA			25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,845.42	445.08
26 12 19 00-0060	EA			37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,717.58	445.08
26 12 19 00-0061	EA			50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,288.09	602.72
26 12 19 00-0062	EA			75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,466.14	815.99
26 12 19 00-0063	EA			100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,311.14	815.99
26 12 19 00-0064	EA			167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,046.30	1,029.25
26 12 19 00-0065	EA			250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,143.77	1,159.07
26 12 19 00-0066				2.4 KV Primary, 277 V Secondary (26 12 19 00-0046)		
26 12 19 00-0067	EA			10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,404.17	315.27
26 12 19 00-0068	EA			15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,630.46	315.27
26 12 19 00-0069	EA			25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,075.25	445.08
26 12 19 00-0070	EA			37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,011.17	445.08
26 12 19 00-0071	EA			50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,624.31	602.72
26 12 19 00-0072	EA			75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,868.13	815.99
26 12 19 00-0073	EA			100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,932.73	815.99
26 12 19 00-0074	EA			167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	10,918.76	1,029.25
26 12 19 00-0075	EA			250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	14,326.50	1,159.07
26 12 19 00-0076				2.4 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		
26 12 19 00-0077	EA			10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,226.30	315.27
26 12 19 00-0078	EA			15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,436.62	315.27
26 12 19 00-0079	EA			25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,845.42	605.59
26 12 19 00-0080	EA			37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,717.58	815.99
26 12 19 00-0081	EA			50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,288.09	602.72
26 12 19 00-0082	EA			75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,337.56	815.99
26 12 19 00-0083	EA			100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,309.97	815.99
26 12 19 00-0084				2.4 KV Primary, 240/480 V Secondary (26 12 19 00-0046)		
26 12 19 00-0085	EA			10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,226.30	315.27
26 12 19 00-0086	EA			15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,436.62	315.27
26 12 19 00-0087	EA			25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,845.42	445.08
26 12 19 00-0088	EA			37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,717.58	445.08
26 12 19 00-0089	EA			50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,288.09	602.72
26 12 19 00-0090	EA			75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	6,337.56	815.99
26 12 19 00-0091	EA			100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	7,309.97	815.99
26 12 19 00-0092				2.4 KV x 7.2 KV Primary, 120/240 V Secondary (26 12 19 00-0046)		
26 12 19 00-0093	EA			10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	1,949.72	324.54
26 12 19 00-0094	EA			15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,124.14	361.63
26 12 19 00-0095	EA			25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	2,543.99	398.72
26 12 19 00-0096	EA			37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,291.74	556.36
26 12 19 00-0097	EA			50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	3,698.87	649.08
26 12 19 00-0098	EA			75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	4,958.35	760.35
26 12 19 00-0099	EA			100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	5,911.82	871.62
26 12 19 00-0100	EA			167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	8,964.11	1,112.70
26 12 19 00-0101	EA			250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	12,051.12	1,251.79

26 13 Medium-Voltage Switchgear (26 10)

26 13 16 Medium-Voltage Fusible Interrupter Switchgear (26 13)

26 Electrical
26 10 Medium-Voltage Electrical Distribution
26 13 Medium-Voltage Switchgear



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0001	"Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002	4.16 Or 4.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0003	EA 1,200 Amp, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	8,021.54	964.34
	<i>For Weatherproofing, Add</i>	1,629.51	
26 13 16 00-0004	EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	8,393.73	964.34
	<i>For Weatherproofing, Add</i>	1,711.40	
26 13 16 00-0005	EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	11,352.31	1,228.62
	<i>For Weatherproofing, Add</i>	2,334.83	
26 13 16 00-0006	EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	15,323.08	1,228.62
	<i>For Weatherproofing, Add</i>	3,187.72	
26 13 16 00-0007	EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	21,753.60	1,483.61
	<i>For Weatherproofing, Add</i>	4,577.75	
26 13 16 00-0008	EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,962.01	1,483.61
	<i>For Weatherproofing, Add</i>	4,173.10	
26 13 16 00-0009	7.2 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0010	EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	11,768.87	1,112.70
	<i>For Weatherproofing, Add</i>	2,439.94	
26 13 16 00-0011	EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	14,496.60	1,390.88
	<i>For Weatherproofing, Add</i>	2,994.33	
26 13 16 00-0012	EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	20,205.93	1,669.06
	<i>For Weatherproofing, Add</i>	4,217.56	
26 13 16 00-0013	13.8 KV Switchgear Sections <small>(26 13 16 00-0001)</small> Note: Includes air circuit breaker.		
26 13 16 00-0014	EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	11,417.11	1,112.70
	<i>For Weatherproofing, Add</i>	2,350.30	
26 13 16 00-0015	EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	15,587.46	1,112.70
	<i>For Weatherproofing, Add</i>	3,241.10	
26 13 16 00-0016	EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	22,554.93	1,483.61
	<i>For Weatherproofing, Add</i>	4,743.54	
26 13 16 00-0017	EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	14,374.14	1,483.61
	<i>For Weatherproofing, Add</i>	2,956.25	
26 13 16 00-0018	EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	20,618.47	1,854.51
	<i>For Weatherproofing, Add</i>	4,303.42	
26 13 16 00-0019	EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	28,605.03	1,854.51
	<i>For Weatherproofing, Add</i>	6,032.43	
26 13 16 00-0020	EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,914.15	1,854.51
	<i>For Weatherproofing, Add</i>	4,140.71	
26 13 16 00-0021	EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	27,360.23	1,854.51
	<i>For Weatherproofing, Add</i>	5,752.14	
26 13 16 00-0022	EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	35,258.22	1,854.51
	<i>For Weatherproofing, Add</i>	7,464.43	
26 13 16 00-0023	4.16 Or 4.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0024	EA 1,200 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	3,694.78	607.35
	<i>For Weatherproofing, Add</i>	727.67	
26 13 16 00-0025	EA 1,200 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,703.81	607.35
	<i>For Weatherproofing, Add</i>	949.66	
26 13 16 00-0026	EA 2,000 Amp, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,180.18	806.71
	<i>For Weatherproofing, Add</i>	1,026.95	
26 13 16 00-0027	EA 2,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,418.94	996.80
	<i>For Weatherproofing, Add</i>	1,272.58	
26 13 16 00-0028	EA 3,000 Amp, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,461.13	996.80
	<i>For Weatherproofing, Add</i>	1,721.86	
26 13 16 00-0029	7.2 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0030	EA 1,200 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,632.89	927.25
	<i>For Weatherproofing, Add</i>	922.21	
26 13 16 00-0031	EA 2,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,051.71	927.25
	<i>For Weatherproofing, Add</i>	1,207.03	
26 13 16 00-0032	EA 3,000 Amp, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,083.23	927.25
	<i>For Weatherproofing, Add</i>	1,847.01	
26 13 16 00-0033	13.8 KV Switchgear Section <small>(26 13 16 00-0001)</small> Note: Excludes air circuit breaker element.		
26 13 16 00-0034	EA 1,200 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	4,815.82	788.16
	<i>For Weatherproofing, Add</i>	949.65	
26 13 16 00-0035	EA 1,200 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,107.84	788.16
	<i>For Weatherproofing, Add</i>	1,013.90	
26 13 16 00-0036	EA 1,200 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,239.36	973.61
	<i>For Weatherproofing, Add</i>	1,455.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0037 EA 2,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	6,616.91 <i>1,291.81</i>	1,168.34
26 13 16 00-0038 EA 2,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	7,993.06 <i>1,594.56</i>	1,168.34
26 13 16 00-0039 EA 2,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,202.29 <i>1,833.04</i>	1,363.07
26 13 16 00-0040 EA 3,000 Amp, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	8,773.58 <i>1,711.64</i>	1,557.79
26 13 16 00-0041 EA 3,000 Amp, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	9,716.56 <i>1,919.10</i>	1,557.79
26 13 16 00-0042 EA 3,000 Amp, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section <i>For Weatherproofing, Add</i>	11,879.71 <i>2,367.67</i>	1,743.24
26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,456.53 <i>352.57</i>	587.61
26 13 16 00-0045 EA 2,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,025.39 <i>391.25</i>	652.04
26 13 16 00-0046 EA 3,000 Amp, Transformer Throat Connection Accessories, Secondary Distribution Section <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,912.22 <i>470.69</i>	784.46
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section	2,851.44	1,179.74
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	2,694.86	75.23
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	3,586.17	75.23
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,534.09	75.23
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,143.55	75.23
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	5,611.44	75.23
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	7,624.00	75.23
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,242.49	75.23
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	1,399.16	75.23
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,104.60	75.23
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,361.48 <i>45.14</i>	75.23
26 13 16 00-0058 EA AC Ammeter With Switch..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	556.96 <i>45.14</i>	75.23
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	556.96 <i>45.14</i>	75.23
26 13 16 00-0060 EA Indicating Wattmeter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	804.24 <i>45.14</i>	75.23
26 13 16 00-0061 EA Indicating Varmeter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	941.44 <i>45.14</i>	75.23
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	606.08 <i>45.14</i>	75.23
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,369.95 <i>45.14</i>	75.23
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87	2,550.04	75.23
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary	390.55	75.23
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	1,715.04	75.23
26 13 19 Medium-Voltage Vacuum Interrupter Switchgear <small>(26 13)</small>		
26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV <small>(26 13 19)</small>		
26 13 19 00-0002 EA 1,200 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	27,707.07	1,159.07
26 13 19 00-0003 EA 1,200 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	30,637.88	1,465.06
26 13 19 00-0004 EA 1,200 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	34,802.67	1,465.06
26 13 19 00-0005 EA 2,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	31,672.33	1,159.07
26 13 19 00-0006 EA 2,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	35,546.77	1,159.07
26 13 19 00-0007 EA 2,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	40,530.77	1,363.07
26 13 19 00-0008 EA 3,000 Amp, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	41,904.92	1,557.79
26 13 19 00-0009 EA 3,000 Amp, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	45,799.04	1,557.79
26 13 19 00-0010 EA 3,000 Amp, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	50,069.74	1,752.51
26 18 Medium-Voltage Circuit Protection Devices <small>(26 10)</small>		
26 18 16 Medium-Voltage Fuses <small>(26 18)</small>		
26 18 16 00-0001 Sectionalizing Switch <small>(26 18 16)</small>		
26 18 16 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units <small>(26 18 16 00-0001)</small> Note: 15 KV - 25 KV.		
26 18 16 00-0003 Sectionalizing Tapping And Fusing Underground Feeders <small>(26 18 16 00-0002)</small> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 16 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	18,822.89	629.51
26 18 16 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	21,134.03	629.51
26 20 Low-Voltage Electrical Distribution <small>(26)</small>		
26 21 Low-Voltage Electrical Service Entrance <small>(26 20)</small> See CSI section 26 05 13 00-0000 for wire and cables.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**26 21 13 Low-Voltage Overhead Electrical Service Entrance (26 21)**

26 21 13 00-0001	LF	Service Drop Cable And Weatherheads (26 21 13)		
26 21 13 00-0002	LF	600 Volt Insulated Stranded Conductors (26 21 13 00-0001)		
26 21 13 00-0003	LF	Aluminum Duplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0004	LF	#6 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	5.70	2.21
26 21 13 00-0005	LF	#4 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.81	2.61
26 21 13 00-0006	LF	#2 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.84	2.95
26 21 13 00-0007	LF	#1/0 AWG Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	10.16	3.71
26 21 13 00-0008	LF	Aluminum Triplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0009	LF	#6 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	6.85	2.61
26 21 13 00-0010	LF	#4 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.79	2.95
26 21 13 00-0011	LF	#2 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.85	3.71
26 21 13 00-0012	LF	#1/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	12.18	4.53
26 21 13 00-0013	LF	#2/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	15.99	5.98
26 21 13 00-0014	LF	#4/0 AWG Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	20.13	7.41
26 21 13 00-0015	LF	336 MCM Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	25.45	8.83
26 21 13 00-0016	LF	Aluminum Quadruplex ACSR Neutral (26 21 13 00-0002)		
26 21 13 00-0017	LF	#6 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	7.80	2.95
26 21 13 00-0018	LF	#4 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	9.84	3.71
26 21 13 00-0019	LF	#2 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	12.67	4.75
26 21 13 00-0020	LF	#1/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	16.24	5.98
26 21 13 00-0021	LF	#2/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	18.04	6.63
26 21 13 00-0022	LF	#3/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	20.55	7.41
26 21 13 00-0023	LF	#4/0 AWG Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	24.31	8.83
26 21 13 00-0024	LF	336 MCM Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable, 600 Volt.....	28.66	9.76
26 21 13 00-0025	MLF	Aluminum Triplex For Underground Service, Direct Burial (26 21 13 00-0002) Note: Excludes excavation and backfill.		
26 21 13 00-0026	MLF	#6 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,440.80	824.24
26 21 13 00-0027	MLF	#4 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	2,687.17	872.73
26 21 13 00-0028	MLF	#2 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,018.95	927.25
26 21 13 00-0029	MLF	#1/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,319.26	927.25
26 21 13 00-0030	MLF	#2/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	3,629.83	989.10
26 21 13 00-0031	MLF	#3/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	4,261.44	1,141.26
26 21 13 00-0032	MLF	#4/0 AWG Aluminum Triplex URD With Neutral Cable, Stranded Cable, 600 Volt, Direct Burial.....	5,351.30	1,483.61
26 21 13 00-0033	EA	Weather Proof Conduit Hubs (26 21 13 00-0002)		
26 21 13 00-0034	EA	1/2" Weatherproof Conduit Hubs.....	39.11	14.48
26 21 13 00-0035	EA	3/4" Weatherproof Conduit Hubs.....	44.69	16.46
26 21 13 00-0036	EA	1" Weatherproof Conduit Hubs.....	52.75	18.43
26 21 13 00-0037	EA	1-1/4" Weatherproof Conduit Hubs.....	74.85	24.69
26 21 13 00-0038	EA	1-1/2" Weatherproof Conduit Hubs.....	82.91	26.66
26 21 13 00-0039	EA	2" Weatherproof Conduit Hubs.....	111.44	30.94
26 21 13 00-0040	EA	2-1/2" Weatherproof Conduit Hubs.....	153.43	34.89
26 21 13 00-0041	EA	3" Weatherproof Conduit Hubs.....	202.96	41.14
26 21 13 00-0042	EA	4" Weatherproof Conduit Hubs.....	347.88	82.30
26 21 13 00-0043	EA	Service Entrance Cap, Threaded Weatherhead, Galvanized (26 21 13 00-0002)		
26 21 13 00-0044	EA	1/2" Galvanized Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	43.81	14.48
26 21 13 00-0045	EA	3/4" Galvanized Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	50.32	16.46
26 21 13 00-0046	EA	1" Galvanized Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	63.64	20.77
26 21 13 00-0047	EA	1-1/4" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	77.69	24.69
26 21 13 00-0048	EA	1-1/2" Galvanized Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	96.86	30.05
26 21 13 00-0049	EA	2" Galvanized Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	127.80	34.87
26 21 13 00-0050	EA	2-1/2" Galvanized Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	217.23	39.31
26 21 13 00-0051	EA	3" Galvanized Weatherhead For 250 Thru 500 MCM Cable Service Entrance Threaded Weatherhead.....	234.06	41.14
26 21 13 00-0052	EA	4" Galvanized Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	378.31	82.30
26 21 13 00-0053	EA	Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) (26 21 13 00-0002)		
26 21 13 00-0054	EA	1/2" Polyvinyl Chloride (PVC) Weatherhead For #14 Thru #10 AWG Cable Service Entrance Threaded Weatherhead.....	39.34	14.48
26 21 13 00-0055	EA	3/4" Polyvinyl Chloride (PVC) Weatherhead For #12 Thru #8 AWG Cable Service Entrance Threaded Weatherhead.....	44.28	16.46
26 21 13 00-0056	EA	1" Polyvinyl Chloride (PVC) Weatherhead For #6 AWG Cable Service Entrance Threaded Weatherhead.....	55.22	20.68
26 21 13 00-0057	EA	1-1/4" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	67.32	24.69
26 21 13 00-0058	EA	1-1/2" Polyvinyl Chloride (PVC) Weatherhead For #4 Thru #2 AWG Cable Service Entrance Threaded Weatherhead.....	81.70	30.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0059 EA 2" Polyvinyl Chloride (PVC) Weatherhead For #1/0 Thru #2/0 AWG Cable Service Entrance Threaded Weatherhead.....	97.96	34.87
26 21 13 00-0060 EA 2-1/2" Polyvinyl Chloride (PVC) Weatherhead For #3/0 Thru #4/0 Cable Service Entrance Threaded Weatherhead.....	151.60	39.31
26 21 13 00-0061 EA 3" Polyvinyl Chloride (PVC) Weatherhead For 250 Thru 350 MCM Cable Service Entrance Threaded Weatherhead.....	157.55	41.14
26 21 13 00-0062 EA 3-1/2" Polyvinyl Chloride (PVC) Weatherhead For 500 MCM Cable Service Entrance Threaded Weatherhead.....	253.37	57.60
26 21 13 00-0063 EA 4" Polyvinyl Chloride (PVC) Weatherhead For 750 MCM Cable Service Entrance Threaded Weatherhead.....	349.04	82.30

26 22 Low-Voltage Transformers (26 20)

26 22 13 Low-Voltage Distribution Transformers (26 22)

26 22 13 00-0001

Single Phase General Purpose "Dry Type" Transformers (26 22 13)

Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002

480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003 EA 1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	578.87	211.64
26 22 13 00-0004 EA 3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	744.79	253.97
26 22 13 00-0005 EA 5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	867.81	264.97
26 22 13 00-0006 EA 7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	991.82	275.14
26 22 13 00-0007 EA 10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,284.72	296.30
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,484.57	317.46
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	42.48	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	63.72	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,615.04	338.63
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	46.89	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	70.33	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,636.12	380.95
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	43.71	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	65.57	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,910.32	423.29
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	53.19	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	79.78	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,457.80	507.94
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	72.10	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	108.14	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,050.10	592.60
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	93.25	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	139.87	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	4,617.13	761.91
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	154.67	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	232.00	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,730.74	931.23
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	293.42	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	440.12	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	11,584.05	1,058.20
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	473.38	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	710.07	

26 22 13 00-0017

240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	672.38	253.97
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	751.79	264.55
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	862.13	275.14
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	979.74	296.30

26 22 13 00-0022

240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)

Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.

26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,484.57	317.46
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	1,615.04	338.63

26 22 13 00-0025

1 Phase Mounting Brackets (26 22 13 00-0001)

26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	398.73	150.47
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26 22 13 00-0027

1 Phase Weathershields (26 22 13 00-0001)

Note: Use with types DT-3 and DS-3.

26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	30.61	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	39.01	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	46.52	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	55.50	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	75.09	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	89.78	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	110.18	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0035			Packaged Power Supply (26 22 13 00-0001) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036	EA		5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amp Breakers.....	979.07	264.55
26 22 13 00-0037	EA		7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amp Breakers.....	1,076.41	275.14
26 22 13 00-0038	EA		10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amp Breakers.....	1,164.11	296.30
26 22 13 00-0039	EA		15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amp Breakers.....	1,376.69	317.46
26 22 13 00-0040	EA		25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amp Breakers.....	1,783.64	338.63
26 22 13 00-0041			240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)		
26 22 13 00-0042	EA		0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	719.66	190.48
26 22 13 00-0043	EA		1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	949.72	211.64
26 22 13 00-0044	EA		2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,115.99	253.97
26 22 13 00-0045	EA		5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,214.69	264.55
26 22 13 00-0046	EA		7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,341.96	275.14
26 22 13 00-0047	EA		10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	1,661.79	296.30
26 22 13 00-0048	EA		15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer	2,077.93	317.46
26 22 13 00-0049			1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)		
26 22 13 00-0050	EA		15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,471.60	317.46
26 22 13 00-0051	EA		25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,574.80	338.63
26 22 13 00-0052	EA		30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	2,684.48	359.79
26 22 13 00-0053	EA		37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,431.27	380.95
26 22 13 00-0054	EA		45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	3,573.04	402.11
26 22 13 00-0055	EA		50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry	4,630.91	423.29
26 22 13 00-0056			3 Phase General Purpose "Dry Type" Transformer (26 22 13) Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057			Packaged Power Supply (26 22 13 00-0056) Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058	EA		15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amp Breakers.....	3,976.90	910.06
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	107.84	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	161.76	
26 22 13 00-0059	EA		22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amp Breakers.....	4,619.82	973.55
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	133.64	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	200.45	
26 22 13 00-0060	EA		30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amp Breakers.....	5,395.80	1,058.20
			<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	163.97	
			<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	245.95	
26 22 13 00-0061			Drive Isolation Transformers (26 22 13 00-0056) Note: Only use in step-up applications.		
26 22 13 00-0062			230 Volt Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0063	EA		7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,586.15	338.63
26 22 13 00-0064	EA		11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,985.50	359.79
26 22 13 00-0065	EA		15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,099.24	380.95
26 22 13 00-0066	EA		20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,605.22	402.11
26 22 13 00-0067	EA		27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,763.18	444.45
26 22 13 00-0068	EA		34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,135.37	486.78
26 22 13 00-0069	EA		40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,652.26	529.10
26 22 13 00-0070	EA		51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,387.62	592.60
26 22 13 00-0071	EA		63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,800.31	613.76
26 22 13 00-0072	EA		75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,614.76	634.93
26 22 13 00-0073	EA		93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,164.21	656.09
26 22 13 00-0074	EA		118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,240.26	804.24
26 22 13 00-0075	EA		145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,251.27	846.57
26 22 13 00-0076	EA		175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	11,654.54	888.89
26 22 13 00-0077	EA		220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,187.69	1,058.20
26 22 13 00-0078	EA		275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,628.26	1,248.69
26 22 13 00-0079	EA		330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,725.77	1,375.67
26 22 13 00-0080	EA		440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,856.05	1,523.82
26 22 13 00-0081	EA		550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	29,238.72	1,693.13
26 22 13 00-0082			208V Drive Isolation Transformers (26 22 13 00-0061)		
26 22 13 00-0083	EA		7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	2,683.31	338.63
26 22 13 00-0084	EA		11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,100.84	359.79
26 22 13 00-0085	EA		15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,218.21	380.95
26 22 13 00-0086	EA		20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,747.79	402.11
26 22 13 00-0087	EA		27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	3,909.49	444.45
26 22 13 00-0088	EA		30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,253.98	465.61
26 22 13 00-0089	EA		45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	4,877.53	550.27
26 22 13 00-0090	EA		51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	5,601.52	592.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,033.07	613.76
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	6,886.82	634.93
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,512.98	656.09
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,628.71	804.24
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,686.88	846.57
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,157.27	888.89
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,802.12	1,058.20
26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2 - 2.5 Percent FCBN Taps <small>(26 22 13 00-0098)</small>		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,942.24	349.21
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,468.58	380.95
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	85.33	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	128.00	
26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps <small>(26 22 13 00-0098)</small>		
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,805.96	465.61
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	93.74	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	140.60	
<i>For K4 Factor Rating, Add</i>	1,312.31	
<i>For K13 Factor Rating, Add</i>	1,874.73	
<i>For K20 Factor Rating, Add</i>	2,437.15	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,333.15	507.94
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	115.86	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	173.80	
<i>For K4 Factor Rating, Add</i>	1,622.09	
<i>For K13 Factor Rating, Add</i>	2,317.27	
<i>For K20 Factor Rating, Add</i>	3,012.45	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	3,504.14	550.27
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	120.18	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	180.27	
<i>For K4 Factor Rating, Add</i>	1,682.52	
<i>For K13 Factor Rating, Add</i>	2,403.60	
<i>For K20 Factor Rating, Add</i>	3,124.68	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,470.37	592.60
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	164.26	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	246.39	
<i>For K4 Factor Rating, Add</i>	2,299.63	
<i>For K13 Factor Rating, Add</i>	3,285.18	
<i>For K20 Factor Rating, Add</i>	4,270.73	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,459.27	634.93
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	159.47	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	239.21	
<i>For K4 Factor Rating, Add</i>	2,232.59	
<i>For K13 Factor Rating, Add</i>	3,189.42	
<i>For K20 Factor Rating, Add</i>	4,146.25	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,522.13	761.91
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	199.92	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	299.87	
<i>For K4 Factor Rating, Add</i>	2,798.82	
<i>For K13 Factor Rating, Add</i>	3,998.31	
<i>For K20 Factor Rating, Add</i>	5,197.80	
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,025.49	846.57
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	266.62	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	399.93	
<i>For K4 Factor Rating, Add</i>	3,732.65	
<i>For K13 Factor Rating, Add</i>	5,332.36	
<i>For K20 Factor Rating, Add</i>	6,932.07	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,484.07	1,058.20
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	368.38	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	552.57	
<i>For K4 Factor Rating, Add</i>	5,157.36	
<i>For K13 Factor Rating, Add</i>	7,367.65	
<i>For K20 Factor Rating, Add</i>	9,577.95	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	11,582.87	1,312.18
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	447.93	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	671.89	
<i>For K4 Factor Rating, Add</i>	6,270.96	
<i>For K13 Factor Rating, Add</i>	8,958.51	
<i>For K20 Factor Rating, Add</i>	11,646.06	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	16,335.25	1,608.48
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	655.91	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	983.87	
<i>For K4 Factor Rating, Add</i>	9,182.80	
<i>For K13 Factor Rating, Add</i>	13,118.29	
<i>For K20 Factor Rating, Add</i>	17,053.78	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	35,892.73	1,930.48
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,599.93	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,399.89	
<i>For K4 Factor Rating, Add</i>	22,398.96	
<i>For K13 Factor Rating, Add</i>	31,998.52	
<i>For K20 Factor Rating, Add</i>	41,598.08	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	46,834.71	2,116.42
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,130.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,195.14	
For K4 Factor Rating, Add	29,821.31	
For K13 Factor Rating, Add	42,601.87	
For K20 Factor Rating, Add	55,382.43	
26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,625.51	328.04
For K4 Factor Rating, Add	678.59	
For K13 Factor Rating, Add	969.42	
For K20 Factor Rating, Add	1,260.25	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	1,942.24	349.21
For K4 Factor Rating, Add	870.67	
For K13 Factor Rating, Add	1,243.82	
For K20 Factor Rating, Add	1,616.97	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	2,468.58	380.95
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	85.33	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	128.00	
For K4 Factor Rating, Add	1,194.67	
For K13 Factor Rating, Add	1,706.67	
For K20 Factor Rating, Add	2,218.67	
26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps (26 22 13 00-0056)		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,499.86	465.61
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	178.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	267.65	
For K4 Factor Rating, Add	2,498.04	
For K13 Factor Rating, Add	3,568.63	
For K20 Factor Rating, Add	4,639.22	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,071.71	550.27
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	198.56	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	297.84	
For K4 Factor Rating, Add	2,779.82	
For K13 Factor Rating, Add	3,971.17	
For K20 Factor Rating, Add	5,162.52	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,309.53	634.93
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	301.98	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	452.98	
For K4 Factor Rating, Add	4,227.78	
For K13 Factor Rating, Add	6,039.68	
For K20 Factor Rating, Add	7,851.58	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,142.01	761.91
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	380.91	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	571.36	
For K4 Factor Rating, Add	5,332.73	
For K13 Factor Rating, Add	7,618.19	
For K20 Factor Rating, Add	9,903.65	
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,941.10	846.57
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	462.40	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	693.60	
For K4 Factor Rating, Add	6,473.58	
For K13 Factor Rating, Add	9,247.97	
For K20 Factor Rating, Add	12,022.36	
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	13,998.27	1,058.20
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	594.09	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	891.14	
For K4 Factor Rating, Add	8,317.30	
For K13 Factor Rating, Add	11,881.85	
For K20 Factor Rating, Add	15,446.41	
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,045.10	1,312.18
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	721.04	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,081.56	
For K4 Factor Rating, Add	10,094.52	
For K13 Factor Rating, Add	14,420.74	
For K20 Factor Rating, Add	18,746.96	
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	26,902.26	1,608.48
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,184.27	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,776.40	
For K4 Factor Rating, Add	16,579.71	
For K13 Factor Rating, Add	23,685.30	
For K20 Factor Rating, Add	30,790.89	
26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)		
26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127)		
Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	2,331.38	380.95
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	3,417.36	465.61
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	4,886.27	550.27
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	6,177.27	634.93



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	9,093.77	761.91
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,983.31	846.57
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,844.91	1,058.20
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	20,043.83	1,312.18
26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise <small>(26 22 13 00-0127)</small>		
<small>Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.</small>		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	2,646.48	380.95
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	3,914.88	465.61
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	5,643.11	550.27
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,157.25	634.93
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20.....	10,607.46	761.91
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,842.26	846.57
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	14,990.31	1,058.20
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,528.03	1,312.18
26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0056)</small>		
26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small>		
<small>Note: Two taps at 2.5%, four at -2.5%.</small>		
26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,012.33	377.70
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,674.18	461.64
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,433.80	545.57
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,995.40	629.51
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,056.76	755.41
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,063.90	839.34
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,369.27	1,049.18
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,892.57	1,300.98
26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	3,691.38	377.70
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,496.70	461.64
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,436.83	545.57
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,416.55	629.51
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,523.60	755.41
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,579.46	839.34
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,750.77	1,049.18
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,779.76	1,300.98
26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0147)</small>		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,367.68	377.70
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,321.52	461.64
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,439.86	545.57
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,835.41	629.51
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,374.29	755.41
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	15,095.02	839.34
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	20,132.28	1,049.18
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	28,666.95	1,300.98

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0146)</small> Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,141.48	377.70
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,047.34	461.64
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,103.99	545.57
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,362.45	629.51
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,401.71	755.41
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	14,343.33	839.34
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,120.11	1,049.18
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,206.96	1,300.98
26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,817.79	377.70
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,872.16	461.64
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,107.02	545.57
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,783.60	629.51
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,002.55	755.41
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	18,972.33	839.34
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,228.93	1,049.18
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	36,229.64	1,300.98
26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers <small>(26 22 13 00-0175)</small>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,496.37	377.70
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,696.97	461.64
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,110.04	545.57
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,202.46	629.51
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,895.11	755.41
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	23,169.51	839.34
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,335.45	1,049.18
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	43,435.89	1,300.98
26 22 13 00-0203 3 Phase Weathershields <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	414.61	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	704.08	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2.....	704.08	
26 22 13 00-0207 Three Phase Mounting Brackets <small>(26 22 13 00-0056)</small>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	522.25	150.47
26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed <small>(26 22 13)</small>		
26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0211	Factory Modifications <small>(26 22 13 00-0210)</small>	
Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	759.71	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	123.54	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	494.15	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	1,423.67	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	174.41	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	138.07	
26 22 13 00-0218	Accessories For Transformer Liquid Containment Area <small>(26 22 13 00-0210)</small>	
Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA	4,239.64	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,060.43	
26 22 13 00-0220 EA Containment Area For 112.5 KVA	4,239.64	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,060.43	
26 22 13 00-0221 EA Containment Area For 150 KVA	4,239.64	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,060.43	
26 22 13 00-0222 EA Containment Area For 225 KVA	4,239.64	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,060.43	
26 22 13 00-0223 EA Containment Area For 300 KVA	4,233.94	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,058.72	
26 22 13 00-0224 EA Containment Area For 500 KVA	4,233.94	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,058.72	
26 22 13 00-0225 EA Containment Area For 750 KVA	4,254.29	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,058.72	
26 22 13 00-0226 EA Containment Area For 1,000 KVA	4,549.32	1,590.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,058.72	
26 22 13 00-0227	Primary, 4.16/4.8 KV Ground Y Or Delta 480 Y / 277 Volt, 480 Volt, 95 KV	
BIL <small>(26 22 13 00-0210)</small>		
Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,430.11	1,007.20
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	5,866.13	1,007.20
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,156.80	1,007.20
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,028.83	1,007.20
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	7,850.52	1,510.81
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	8,141.19	1,510.81
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	11,629.30	1,510.81
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	14,929.68	2,014.42
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,708.46	2,014.42
26 22 13 00-0237	Primary, 4.16/4.8 KV Ground Y Or Delta 208 Y / 120 Volt, 95 BIL <small>(26 22 13 00-0210)</small>	
Note: 7.2 Thru 14.4 KV secondary. Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	5,575.45	1,007.20
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,156.80	1,007.20
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	6,302.14	1,007.20
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	6,447.48	1,007.20
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	7,850.52	1,510.81
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	8,431.87	1,510.81
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	11,629.30	1,510.81
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted	15,075.01	2,014.42
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,708.46	2,014.42
26 22 13 00-0247	Primary 5 KV Or 15 KV, Secondary 277/480 Volt <small>(26 22 13 00-0209)</small>	
Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	9,306.00	1,345.57
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	10,341.46	1,588.47
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	11,852.38	1,941.47
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	13,931.97	2,184.36
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase	16,534.75	2,299.26

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 22 Low-Voltage Transformers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	20,886.24	3,359.55
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	24,304.55	3,800.80
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	29,877.27	4,368.73
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	32,641.34	4,587.17
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	34,890.90	5,111.60
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	39,467.75	5,461.09
26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 22 13 00-0209)		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	34,706.47	3,740.51
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	42,411.62	4,301.62
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	47,868.34	4,527.99
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	51,088.92	5,060.71
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	56,826.22	5,214.06
26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase (26 22 13 00-0209)		
Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	14,947.60	1,588.47
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	16,402.89	1,941.47
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	19,091.95	2,184.36
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	22,608.93	2,299.26
26 22 13 00-0270 EA 1,200 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	28,018.44	3,359.55
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	34,874.45	3,800.80
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	42,087.27	4,368.73
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase	47,518.61	4,587.17
26 22 13 00-0274 Foam Core Poly Transformer Pads (26 22 13)		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	138.27	28.38
Note: Excludes site prep.		
26 24 Switchboards And Panelboards (26 20)		
26 24 13 Switchboards (26 24)		
Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)		
26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)		
Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire.....	2,810.59	719.81
26 24 13 00-0004 EA 600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	3,107.35	761.37
26 24 13 00-0005 EA 800 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	4,979.83	863.66
26 24 13 00-0006 EA 1,200 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	5,363.86	925.87
26 24 13 00-0007 EA 1,600 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	8,553.80	987.17
26 24 13 00-0008 EA 2,000 Amp Distribution Switchboard With Main Switch, 240 Volt, 3 Phase, 4 Wire	9,532.65	1,049.64
26 24 13 00-0009 EA 400 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	3,386.70	719.81
26 24 13 00-0010 EA 600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	4,321.51	761.37
26 24 13 00-0011 EA 800 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	6,002.34	864.40
26 24 13 00-0012 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,183.65	925.87
26 24 13 00-0013 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	8,553.80	988.17
26 24 13 00-0014 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	9,532.65	1,049.64
26 24 13 00-0015 EA 2,500 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	11,438.83	1,097.36
26 24 13 00-0016 EA 3,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	12,961.21	1,175.63
26 24 13 00-0017 EA 4,000 Amp Distribution Switchboard With MC Main Breaker, 240 Volt, 3 Phase, 4 Wire.....	15,286.07	1,267.30
26 24 13 00-0018 EA 400 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	1,924.06	637.77
26 24 13 00-0019 EA 600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,122.42	678.99
26 24 13 00-0020 EA 800 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,431.49	781.61
26 24 13 00-0021 EA 1,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,619.06	814.45
26 24 13 00-0022 EA 1,200 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	2,785.95	843.82
26 24 13 00-0023 EA 1,600 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,050.37	904.72
26 24 13 00-0024 EA 2,000 Amp Distribution Switchboard With Main Lug, 240 Volt, 3 Phase, 4 Wire.....	3,297.58	966.77
26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)		
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026 EA 15 - 60 Amp MC Branch Breaker, 240 Volt.....	237.16	25.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	15.06	
26 24 13 00-0027 EA 70 - 100 Amp MC Branch Breaker, 240 Volt.....	347.77	39.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	23.70	
26 24 13 00-0028 EA 125 - 225 Amp MC Branch Breaker, 240 Volt.....	930.46	72.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	43.20	
26 24 13 00-0029 EA 100 - 400 Amp MC Branch Breaker, 240 Volt.....	1,648.35	93.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	56.29	
26 24 13 00-0030 EA 300 - 600 Amp MC Branch Breaker, 240 Volt.....	2,942.83	230.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		
	138.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0031 EA 400 - 800 Amp MC Branch Breaker, 240 Volt.....	4,696.88	230.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23	
26 24 13 00-0032 EA 600 - 1,200 Amp MC Branch Breaker, 240 Volt.....	7,618.93	410.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.38	
26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0034 Incoming Service Section Main Device Only <small>(26 24 13 00-0033)</small>		
<i>Note: Copper bus, non-metering type, with fuses.</i>		
26 24 13 00-0035 EA 400 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	3,975.54	934.02
26 24 13 00-0036 EA 600 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	4,435.76	934.02
26 24 13 00-0037 EA 800 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	6,531.94	1,213.81
26 24 13 00-0038 EA 1,200 Amp Distribution Switchboard With Main Switch, 480 Volt, 3 Phase, 3 Wire.....	7,394.87	1,213.81
26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0040 Incoming Service Section Main Device Only <small>(26 24 13 00-0039)</small>		
<i>Note: Copper bus, non-metering type, with fuses.</i>		
26 24 13 00-0041 EA 200/400 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,528.17	637.77
26 24 13 00-0042 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,811.68	678.99
26 24 13 00-0043 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,280.26	781.61
26 24 13 00-0044 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,649.84	843.17
26 24 13 00-0045 EA 200/400 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,075.07	637.77
26 24 13 00-0046 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,870.42	678.99
26 24 13 00-0047 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,416.12	781.61
26 24 13 00-0048 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	7,747.75	843.17
26 24 13 00-0049 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 240 Volt, 1 Phase, 3 Wire.....	9,091.13	946.36
26 24 13 00-0050 EA 200/400 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,781.62	555.39
26 24 13 00-0051 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	1,993.81	596.70
26 24 13 00-0052 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,340.45	699.32
26 24 13 00-0053 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,517.16	732.15
26 24 13 00-0054 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,687.88	761.37
26 24 13 00-0055 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	2,915.51	814.45
26 24 13 00-0056 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,137.85	863.66
26 24 13 00-0057 EA 2,500 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	3,894.81	1,069.80
26 24 13 00-0058 EA 3,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	4,356.97	1,172.66
26 24 13 00-0059 EA 4,000 Amp Distribution Switchboard With Main Lug, 120 / 240 Volt, 1 Phase, 3 Wire.....	5,114.39	1,265.24
26 24 13 00-0060 Branch Breaker Units <small>(26 24 13 00-0039)</small>		
<i>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.</i>		
26 24 13 00-0061 EA 15 - 60 Amp MC Branch Breaker, 120 / 240 Volt.....	128.46	21.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.09	
26 24 13 00-0062 EA 70 - 100 Amp MC Branch Breaker, 120 / 240 Volt.....	204.23	36.21
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.72	
26 24 13 00-0063 EA 125 - 225 Amp MC Branch Breaker, 120 / 240 Volt.....	615.40	50.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.37	
26 24 13 00-0064 EA 100 - 400 Amp MC Branch Breaker, 120 / 240 Volt.....	1,760.19	65.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.01	
26 24 13 00-0065 EA 300 - 600 Amp MC Branch Breaker, 120 / 240 Volt.....	2,779.01	158.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 13 00-0066 EA 400 - 800 Amp MC Branch Breaker, 120 / 240 Volt.....	3,942.92	158.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.04	
26 24 13 00-0067 EA 600 - 1,200 Amp MC Branch Breaker, 120 / 240 Volt.....	6,506.26	302.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	181.47	
26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>		
26 24 13 00-0069 Incoming Service Section Main Device Only <small>(26 24 13 00-0068)</small>		
<i>Note: Copper bus, non-metering type, with fuses.</i>		
26 24 13 00-0070 EA 400 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,811.60	719.81
26 24 13 00-0071 EA 600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,106.23	761.37
26 24 13 00-0072 EA 800 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,978.37	863.66
26 24 13 00-0073 EA 1,200 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,362.19	925.87
26 24 13 00-0074 EA 1,600 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,550.00	987.17
26 24 13 00-0075 EA 2,000 Amp Distribution Switchboard With Main Switch, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,532.65	1,049.64
26 24 13 00-0076 EA 400 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,387.71	719.81
26 24 13 00-0077 EA 600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,320.39	761.37
26 24 13 00-0078 EA 800 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	6,002.34	864.40
26 24 13 00-0079 EA 1,200 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,181.98	925.87
26 24 13 00-0080 EA 1,600 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	8,551.89	988.17
26 24 13 00-0081 EA 2,000 Amp Distribution Switchboard With MC Main Breaker, 120 / 208 Volt, 3 Phase, 4 Wire.....	9,532.65	1,049.64
26 24 13 00-0082 EA 400 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,015.16	637.77
26 24 13 00-0083 EA 600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,249.59	678.99
26 24 13 00-0084 EA 800 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,622.04	781.61
26 24 13 00-0085 EA 1,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	2,818.52	814.45
26 24 13 00-0086 EA 1,200 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,008.20	843.82
26 24 13 00-0087 EA 1,600 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,264.31	904.72
26 24 13 00-0088 EA 2,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	3,524.00	966.77



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	13 00-0089	EA	2,500 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,178.30	1,098.60
26 24	13 00-0090	EA	3,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	4,618.90	1,175.54
26 24	13 00-0091	EA	4,000 Amp Distribution Switchboard With Main Lug, 120 / 208 Volt, 3 Phase, 4 Wire.....	5,440.97	1,263.19
26 24 13 00-0092 Branch Breaker Units <small>(26 24 13 00-0068)</small>					
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.					
26 24	13 00-0093	EA	15 - 60 Amp MC Branch Breaker, 120/208 Volt.....	237.16	25.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06	
26 24	13 00-0094	EA	70 - 100 Amp MC Branch Breaker, 120/208 Volt.....	347.77	39.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.70	
26 24	13 00-0095	EA	125 - 225 Amp MC Branch Breaker, 120/208 Volt.....	930.46	72.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.20	
26 24	13 00-0096	EA	100 - 400 Amp MC Branch Breaker, 120/208 Volt.....	1,648.35	93.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.29	
26 24	13 00-0097	EA	300 - 600 Amp MC Branch Breaker, 120/208 Volt.....	2,942.83	230.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23	
26 24	13 00-0098	EA	400 - 800 Amp MC Branch Breaker, 120/208 Volt.....	4,696.88	230.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23	
26 24	13 00-0099	EA	600 - 1,200 Amp MC Branch Breaker, 120/208 Volt.....	7,618.93	410.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.38	
26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire <small>(26 24 13)</small>					
26 24 13 00-0101 Incoming Service Section Main Device Only <small>(26 24 13 00-0100)</small>					
Note: Copper bus, non-metering type, with fuses.					
26 24	13 00-0102	EA	400 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,650.13	987.17
26 24	13 00-0103	EA	600 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,002.91	1,049.64
26 24	13 00-0104	EA	800 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	5,660.78	1,171.59
26 24	13 00-0105	EA	1,200 Amp Distribution Switchboard With Main Switch, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,185.26	1,254.46
26 24	13 00-0106	EA	400 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	4,628.23	987.17
26 24	13 00-0107	EA	600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	6,195.18	1,049.64
26 24	13 00-0108	EA	800 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	7,017.85	1,172.91
26 24	13 00-0109	EA	1,200 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	8,839.12	1,254.46
26 24	13 00-0110	EA	1,600 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	9,250.92	1,337.66
26 24	13 00-0111	EA	2,000 Amp Distribution Switchboard With MC Main Breaker, 480 / 277 Volt, 3 Phase, 4 Wire.....	10,274.94	1,420.77
26 24	13 00-0112	EA	400 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,015.16	637.77
26 24	13 00-0113	EA	600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,249.59	678.99
26 24	13 00-0114	EA	800 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,622.04	781.61
26 24	13 00-0115	EA	1,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	2,818.52	814.45
26 24	13 00-0116	EA	1,200 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,008.20	843.82
26 24	13 00-0117	EA	1,600 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,264.31	904.72
26 24	13 00-0118	EA	2,000 Amp Distribution Switchboard With Main Lug, 480 / 277 Volt, 3 Phase, 4 Wire.....	3,524.00	966.77
26 24 13 00-0119 Branch Breaker Units <small>(26 24 13 00-0100)</small>					
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.					
26 24	13 00-0120	EA	15 - 60 Amp MC Branch Breaker, 480 / 277 Volt.....	488.41	25.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.06	
26 24	13 00-0121	EA	70 - 100 Amp MC Branch Breaker, 480 / 277 Volt.....	563.96	39.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.70	
26 24	13 00-0122	EA	125 - 225 Amp MC Branch Breaker, 480 / 277 Volt.....	1,022.78	72.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.20	
26 24	13 00-0123	EA	100 - 400 Amp MC Branch Breaker, 480 / 277 Volt.....	1,648.35	93.81
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.29	
26 24	13 00-0124	EA	300 - 600 Amp MC Branch Breaker, 480 / 277 Volt.....	3,950.15	230.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23	
26 24	13 00-0125	EA	400 - 800 Amp MC Branch Breaker, 480 / 277 Volt.....	4,040.13	230.42
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23	
26 24	13 00-0126	EA	600 - 1,200 Amp MC Branch Breaker, 480 / 277 Volt.....	6,486.57	410.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	246.38	
26 24 13 00-0127 Fusible Branch Circuit Switch <small>(26 24 13)</small>					
26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units <small>(26 24 13 00-0127)</small>					
26 24	13 00-0129	EA	30/30 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	506.85	64.60
			<i>For Electrical Interlock Kit, Add</i>	204.29	
26 24	13 00-0130	EA	30/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	505.10	64.60
			<i>For Electrical Interlock Kit, Add</i>	204.29	
26 24	13 00-0131	EA	60/60 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	505.10	64.60
			<i>For Electrical Interlock Kit, Add</i>	204.29	
26 24	13 00-0132	EA	60/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	791.23	85.17
			<i>For Electrical Interlock Kit, Add</i>	204.29	
26 24	13 00-0133	EA	100/100 Amp, 240 Volt, 2 Pole Twin Branch Switch Unit.....	791.23	85.17
			<i>For Electrical Interlock Kit, Add</i>	204.29	
26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units <small>(26 24 13 00-0127)</small>					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0135 EA 100 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	578.80	63.36
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0136 EA 200 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	841.23	63.36
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0137 EA 400 Amp, 240 Volt, 2 Pole Single Branch Switch Unit.....	2,162.96	170.75
26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0139 EA 30/30 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	648.58	72.82
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0140 EA 30/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	646.83	72.82
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0141 EA 60/60 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	646.83	72.82
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0142 EA 60/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	973.26	97.52
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0143 EA 100/100 Amp, 240 Volt, 3 Pole Twin Branch Switch Unit	973.26	97.52
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0145 EA 100 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	700.52	71.59
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0146 EA 200 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,128.33	71.59
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0147 EA 400 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	2,893.39	191.16
26 24 13 00-0148 EA 600 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,129.28	244.90
26 24 13 00-0149 EA 800 Amp, 240 Volt, 3 Pole Single Branch Switch Unit.....	7,674.17	331.80
26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0151 EA 30/30 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	913.49	72.82
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0152 EA 30/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	911.72	72.82
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0153 EA 60/60 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	913.49	72.82
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0154 EA 60/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,372.97	97.52
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0155 EA 100/100 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	1,402.56	97.52
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0156 EA 200/200 Amp, 600 Volt, 3 Pole Twin Branch Switch Unit	2,978.93	127.56
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units (26 24 13 00-0127)		
26 24 13 00-0158 EA 100 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	985.84	71.59
For Electrical Interlock Kit, Add	204.29	
26 24 13 00-0159 EA 200 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,490.56	71.59
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0160 EA 400 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	3,628.15	191.16
For Electrical Interlock Kit, Add	195.71	
26 24 13 00-0161 EA 600 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	4,407.39	244.90
26 24 13 00-0162 EA 800 Amp, 600 Volt, 3 Pole Single Branch Switch Unit.....	7,674.17	331.80
26 24 13 00-0163 Service And Distribution Structures (26 24 13)		
26 24 13 00-0164 Type WRI Distribution Section 600 Volts, 250 Volts DC (26 24 13 00-0163)		
26 24 13 00-0165 600 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	1,898.00	757.09
26 24 13 00-0167 EA 24 - 30 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,258.51	757.09
26 24 13 00-0168 EA 34 - 38 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,515.27	962.82
26 24 13 00-0169 EA 42 - 48 Watt Distribution Section, 600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,781.13	962.82
26 24 13 00-0170 800 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,139.94	876.42
26 24 13 00-0172 EA 24 - 30 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,489.93	876.42
26 24 13 00-0173 EA 34 - 38 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,781.13	1,086.26
26 24 13 00-0174 EA 42 - 48 Watt Distribution Section, 800 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,019.95	1,086.26
26 24 13 00-0175 1,200 Amp Main Bus, 4 Wire (26 24 13 00-0164)		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,514.40	1,069.80
26 24 13 00-0177 EA 24 - 30 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	2,873.38	1,069.80
26 24 13 00-0178 EA 34 - 38 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,183.23	1,316.68
26 24 13 00-0179 EA 42 - 48 Watt Distribution Section, 1,200 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC.....	3,533.12	1,316.68

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0180 1,600 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,087.43	1,172.66
26 24 13 00-0182 EA 24 - 30 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,518.32	1,172.66
26 24 13 00-0183 EA 34 - 38 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,887.31	1,448.34
26 24 13 00-0184 EA 42 - 48 Watt Distribution Section, 1,600 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,192.10	1,448.34
26 24 13 00-0185 2,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,239.99	1,176.78
26 24 13 00-0187 EA 24 - 30 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,706.72	1,324.91
26 24 13 00-0188 EA 34 - 38 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,781.81	1,324.91
26 24 13 00-0189 EA 42 - 48 Watt Distribution Section, 2,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	3,943.30	1,398.96
26 24 13 00-0190 3,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0191 EA 24 - 30 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,420.61	1,324.91
26 24 13 00-0192 EA 34 - 38 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,494.58	1,324.91
26 24 13 00-0193 EA 42 - 48 Watt Distribution Section, 3,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,656.07	1,398.96
26 24 13 00-0194 4,000 Amp Main Bus, 4 Wire <small>(26 24 13 00-0164)</small>		
26 24 13 00-0195 EA 24 - 30 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,526.11	1,398.96
26 24 13 00-0196 EA 34 - 38 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,656.07	1,398.96
26 24 13 00-0197 EA 42 - 48 Watt Distribution Section, 4,000 Amp Main Bus, 4 Wire, Type WRI, 600 Volt AC, 250 Volt DC	4,714.38	1,398.96
26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board <small>(26 24 13 00-0164)</small>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	396.29	98.75
26 24 13 00-0200 EA Drilled Bottom	446.98	98.75
26 24 13 00-0201 EA Cable Supports In Pull Box	157.78	24.69
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>13.71</i>	
26 24 13 00-0202 Underground Pull Sections <small>(26 24 13 00-0164)</small>		
<i>Note: Excludes no bus or terminal.</i>		
26 24 13 00-0203 EA 12 - 20" Wide, 15 - 20" Deep Underground Pull Section Without Bus Or Terminal.....	386.46	115.21
26 24 13 00-0204 EA 24 - 28" Wide, 20" Deep Underground Pull Section Without Bus Or Terminal.....	663.80	148.12
26 24 13 00-0205 EA 24 - 28" Wide, 30" Deep Underground Pull Section Without Bus Or Terminal.....	663.80	148.12
26 24 13 00-0206 EA 14 - 20" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	498.94	115.21
26 24 13 00-0207 EA 28 - 30" Wide, 36" Deep Underground Pull Section Without Bus Or Terminal.....	710.80	168.70
26 24 13 00-0208 EA 14 - 20" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	812.57	168.70
26 24 13 00-0209 EA 26 - 30" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	853.43	218.07
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep Underground Pull Section Without Bus Or Terminal.....	903.22	218.07
26 24 13 00-0211 Switchboard Sections <small>(26 24 13 00-0163)</small>		
26 24 13 00-0212 EA 600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,087.50	685.75
26 24 13 00-0213 EA 800 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	3,380.84	745.40
26 24 13 00-0214 EA 1,200 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,242.59	952.45
26 24 13 00-0215 EA 1,600 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,639.59	1,039.02
26 24 13 00-0216 EA 2,000 Amp Switchboard Incoming No Switch Circuit 480 Volt, 4 Wire.....	4,947.75	1,106.09
26 24 13 00-0217 EA 400 Amp Switchboard Incoming For Switch Circuit Section 480 Volt	3,640.26	601.56
26 24 13 00-0218 EA Distribution Section Subfeeder Lug-Rated At 200 Amp	2,107.86	571.44
26 24 13 00-0219 EA Distribution Section Subfeeder Lug-Rated At 400 Amp	2,333.57	619.66
26 24 13 00-0220 EA Distribution Section Aluminum Bus 120/208 Or 277/480 Volt, 4 Wire.....	2,900.79	685.75
26 24 13 00-0221 EA 800 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,152.79	687.55
26 24 13 00-0222 EA 1,000 Amp Switchboard Distribution Section Aluminum Bus Less Breaker.....	3,478.95	767.62
26 24 13 00-0223 EA 15 To 60 Amp, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	119.58	41.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>25.13</i>	
26 24 13 00-0224 EA 70 To 100 Amp, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	145.70	41.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>29.69</i>	
26 24 13 00-0225 EA 70 To 225 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	655.85	49.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>63.96</i>	
26 24 13 00-0226 EA 125 To 400 Amp, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,082.73	106.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>89.06</i>	
26 24 13 00-0227 EA 100 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	435.05	148.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>51.44</i>	
26 24 13 00-0228 EA 225 Amp, Switchboard Feed Section Branch Circuit Breaker, 240 Volt HIC 3 Phase.....	1,207.95	85.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>63.96</i>	
26 24 13 00-0229 Switchboard, Structure Per Section Copper 480 V <small>(26 24 13 00-0163)</small>		
26 24 13 00-0230 EA 225 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	1,600.79	357.14
26 24 13 00-0231 EA 400 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,273.25	482.97
26 24 13 00-0232 EA 600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	2,557.31	587.81
26 24 13 00-0233 EA 800 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	3,237.55	822.92
26 24 13 00-0234 EA 1,200 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,013.27	1,028.65
26 24 13 00-0235 EA 1,600 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	4,407.25	1,028.65
26 24 13 00-0236 EA 2,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	5,456.32	1,371.56
26 24 13 00-0237 EA 2,500 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	6,211.76	1,371.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0238 EA 3,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	7,307.56	1,632.76
26 24 13 00-0239 EA 4,000 Amp Switchboard, Structure Per Section, Copper, 480 Volt.....	8,697.64	1,632.76
26 24 13 00-0240 Main Devices <small>(26 24 13)</small>		
26 24 13 00-0241 Power Circuit Breakers <small>(26 24 13 00-0240)</small>		
26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 - 800 Amp DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	5,559.53	864.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	517.34	
26 24 13 00-0244 EA 50 - 1,600 Amp DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	10,124.94	1,440.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	863.21	
26 24 13 00-0245 EA 1,200 - 3,200 Amp DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	22,679.76	2,419.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,438.67	
26 24 13 00-0246 EA 4,000 Amp DSL-840, Main Breaker With Current Limiter, Amptector Static Trip.....	36,554.23	3,917.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,392.22	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	1,891.75	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	244.31	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	320.52	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	230.86	
26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector <small>(26 24 13 00-0241)</small>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 - 800 Amp DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip.....	6,499.07	905.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	545.70	
26 24 13 00-0253 EA 50 - 1,600 Amp DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip.....	12,047.09	1,522.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	908.97	
26 24 13 00-0254 EA 1,200 - 3,200 Amp DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip.....	25,453.79	2,509.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,512.73	
26 24 13 00-0255 EA 4,000 Amp DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip.....	39,358.50	4,114.61
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,529.47	
26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 - 800 Amp DS-206, Main Breaker With Groundfault, Amptector Static Trip.....	4,440.34	790.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	474.77	
26 24 13 00-0258 EA 50 - 1,600 Amp DS-416, Main Breaker With Groundfault, Amptector Static Trip.....	8,105.48	1,324.91
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	791.27	
26 24 13 00-0259 EA 2,000 Amp DS-420, Main Breaker With Groundfault, Amptector Static Trip.....	12,049.23	2,221.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,318.79	
26 24 13 00-0260 EA 1,200 - 3,200 AMP DS-632, Main Breaker With Groundfault, Amptector Static Trip.....	20,775.41	3,579.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,196.41	
26 24 13 00-0261 EA 4,000 Amp DS-840, Main Breaker With Groundfault, Amptector Static Trip.....	33,827.63	5,842.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,652.02	
26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 - 800 Amp DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	5,212.19	757.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	452.82	
26 24 13 00-0264 EA 50 - 1,600 Amp DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	9,705.47	1,267.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	754.51	
26 24 13 00-0265 EA 2,000 Amp DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	13,865.77	2,106.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,259.57	
26 24 13 00-0266 EA 1,200 - 3,200 Amp DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	22,889.20	3,431.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,099.29	
26 24 13 00-0267 EA 4,000 Amp DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip.....	35,848.24	5,883.89
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,506.77	
26 24 13 00-0268 Molded Case Circuit Breakers Conventional <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 - 225 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	1,933.59	691.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	398.19	
26 24 13 00-0270 EA 125 - 400 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	2,791.93	691.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	433.12	
26 24 13 00-0271 EA 300 - 600 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,095.50	822.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	474.77	
26 24 13 00-0272 EA 400 - 800 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	3,667.81	822.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	514.33	
26 24 13 00-0273 EA 600 - 1,200 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	5,395.58	987.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	563.64	
26 24 13 00-0274 EA 1,000 - 2,000 Amp 3 Pole Molded Case Circuit Breaker Conventional.....	8,651.01	987.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	623.42	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	242.07	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed.....	56.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0277 Switchboard Branch Breaker 480 V <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278 EA 60 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	391.52	59.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.78	
26 24 13 00-0279 EA 100 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	463.04	79.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.48	
26 24 13 00-0280 EA 225 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,323.69	119.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	71.52	
26 24 13 00-0281 EA 400 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,748.57	149.53
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	89.71	
26 24 13 00-0282 EA 600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,119.11	200.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	120.31	
26 24 13 00-0283 EA 800 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,561.35	257.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.30	
26 24 13 00-0284 EA 1,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,116.77	391.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.12	
26 24 13 00-0285 EA 1,200 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	4,116.77	391.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.12	
26 24 13 00-0286 EA 1,600 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	5,773.87	548.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	329.17	
26 24 13 00-0287 EA 2,000 Amp, 3 Phase, 480 Volt Switchboard Branch Breaker.....	7,223.80	822.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	493.75	
26 24 13 00-0288 Switchboard 277/480 V Main Breaker <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289 EA 400 Amp, Switchboard 277/480 Volt Main Breaker.....	4,663.42	357.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.30	
26 24 13 00-0290 EA 600 Amp, Switchboard 277/480 Volt Main Breaker.....	4,731.32	391.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	234.67	
26 24 13 00-0291 EA 800 Amp, Switchboard 277/480 Volt Main Breaker.....	5,124.68	587.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	352.68	
26 24 13 00-0292 EA 1,200 Amp, Switchboard 277/480 Volt Main Breaker.....	8,740.25	822.92
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	493.75	
26 24 13 00-0293 EA 1,600 Amp, Switchboard 277/480 Volt Main Breaker.....	8,915.03	910.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	546.19	
26 24 13 00-0294 EA 2,000 Amp, Switchboard 277/480 Volt Main Breaker.....	11,829.03	1,632.76
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	979.67	
26 24 13 00-0295 Branch Or Distribution Devices <small>(26 24 13)</small>		
26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 - 60 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	339.13	29.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 13 00-0298 EA 70 - 100 Amp, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	346.03	37.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 13 00-0299 EA 125 - 150 Amp, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	810.46	44.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 13 00-0300 EA 70 - 225 Amp, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,171.75	57.60
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.27	
26 24 13 00-0301 EA 125 - 400 Amp, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,647.13	71.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.40	
26 24 13 00-0302 EA 300 - 600 Amp, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,152.47	83.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.55	
26 24 13 00-0303 EA 900 - 1,000 Amp, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,269.37	93.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.71	
26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305 EA 15 - 60 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	234.56	22.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 13 00-0306 EA 70 - 100 Amp, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	301.92	29.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 13 00-0307 EA 125 - 150 Amp, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	804.00	37.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 13 00-0308 EA 70 - 225 Amp, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,264.93	41.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.16	
26 24 13 00-0309 EA 125 - 400 Amp, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,341.98	53.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.80	
26 24 13 00-0310 EA 900 - 1,000 Amp, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,019.64	77.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.84	
26 24 13 00-0311 Meter Devices And Instrumentation <small>(26 24 13)</small>		
Note: Factory installed accessories.		
26 24 13 00-0312 Instrument Transformers And Metering Compartments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313 EA 800 Amp And Below Primary Current Transformer, With Compartment.....	292.50	
26 24 13 00-0314 EA 1,000 - 1,500 Amp Primary Current Transformer, With Compartment.....	422.51	
26 24 13 00-0315 EA 2,000 - 6,000 Amp Primary Current Transformer, With Compartment.....	497.59	
26 24 13 00-0316 EA Potential Transformer With 200 VA Max.....	358.63	
26 24 13 00-0317 EA 5 To 800 Amp, Three Current Transformers.....	1,239.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0318	EA		1,000 To 1,500 Amp, Three Current Transformers.....	2,201.88	
26 24 13 00-0319	EA		2,000 To 4,000 Amp, Three Current Transformers.....	2,865.17	
26 24 13 00-0320			Instruments <small>(26 24 13 00-0311)</small>		
26 24 13 00-0321	EA		AC Voltmeter	398.97	
26 24 13 00-0322	EA		AC Ammeter	398.97	
26 24 13 00-0323	EA		AC Wattmeter	1,065.79	
26 24 13 00-0324	EA		Variometer	1,203.64	
26 24 13 00-0325	EA		Power Factor Meter	961.56	
26 24 13 00-0326	EA		Frequency Meter.....	1,061.31	
26 24 13 00-0327	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	1,350.45	
26 24 13 00-0328	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	2,259.34	
26 24 13 00-0329	EA		Weatherproof, Modify Meter	2,198.42	
26 24 13 00-0330	EA		Control Switch Resistor Type 130 V	52.13	
26 24 13 00-0331	EA		Metering Instrument Volt, Amp And Watt Hour.....	2,725.33	
26 24 16			Panelboards <small>(26 24)</small>		
26 24 16 00-0001			Branch Circuit Panelboard <small>(26 24 16)</small> Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing.		
26 24 16 00-0002			Assembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small> Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003			120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA		100 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity	760.56	234.53
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0005	EA		100 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	876.14	234.53
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0006	EA		100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	998.36	325.05
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0007	EA		100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,115.00	325.05
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0008	EA		100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity	1,232.18	407.35
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0009	EA		100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,354.71	407.35
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0010	EA		100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity	1,465.91	469.07
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0011	EA		225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	1,755.98	600.73
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0012	EA		225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	1,872.93	600.73
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0013	EA		225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity	2,306.10	687.14
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0014	EA		225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,479.41	687.14
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0015	EA		225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,586.82	773.54
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0016	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,745.17	773.54
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0017	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	2,850.15	855.84
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0018	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,008.38	855.84
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0019	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity	3,184.95	946.36
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0020	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,245.49	946.36
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0021	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity	3,457.19	946.36
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards ^(26 24 16 00-0002)		
26 24 16 00-0023 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	825.55	226.30
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0024 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	942.91	226.30
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0025 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,252.18	386.77
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0026 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,371.45	386.77
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0027 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	1,489.80	473.18
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0028 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,616.61	473.18
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0029 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	1,723.85	567.82
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0030 EA 225 Amp Rating, 22 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,390.09	567.82
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0031 EA 225 Amp Rating, 24 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,497.22	695.37
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0032 EA 225 Amp Rating, 26 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 30 Circuit Capacity.....	2,613.68	695.37
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0033 EA 225 Amp Rating, 28 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,741.34	781.77
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0034 EA 225 Amp Rating, 30 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,844.66	781.77
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0035 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	2,954.88	855.84
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0036 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,073.08	855.84
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0037 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,200.55	1,012.19
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0038 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	3,338.88	1,012.19
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0039 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	3,490.05	1,012.19
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0040 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/240 Volt, 3 Wire, 1 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	3,583.30	1,069.80
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0041 120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards ^(26 24 16 00-0002)		
26 24 16 00-0042 EA 100 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity.....	1,028.60	267.45
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0043 EA 100 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,156.13	267.45
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0044 EA 100 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,300.54	357.97
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0045 EA 100 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,451.81	357.97
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0046 EA 100 Amp Rating, 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	1,587.70	440.26
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0047 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,733.02	440.26
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0048 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	1,869.68	522.56
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0049 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	2,011.87	522.56
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0050 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,143.05 <i>348.00</i>	613.08
26 24 16 00-0051 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,294.11 <i>348.00</i>	613.08
26 24 16 00-0052 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,448.89 <i>348.00</i>	707.72
26 24 16 00-0053 EA 100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,599.91 <i>348.00</i>	707.72
26 24 16 00-0054 EA 225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,904.36 <i>348.00</i>	855.84
26 24 16 00-0055 EA 225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,009.00 <i>348.00</i>	855.84
26 24 16 00-0056 EA 225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,184.68 <i>348.00</i>	950.47
26 24 16 00-0057 EA 225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,345.49 <i>348.00</i>	950.47
26 24 16 00-0058 EA 225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,458.01 <i>348.00</i>	1,036.88
26 24 16 00-0059 EA 225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,620.10 <i>348.00</i>	1,036.88
26 24 16 00-0060 EA 400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,502.80 <i>348.00</i>	920.02
26 24 16 00-0061 EA 400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,618.20 <i>348.00</i>	966.93
26 24 16 00-0062 EA 400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,802.04 <i>348.00</i>	1,018.37
26 24 16 00-0063 EA 400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,975.35 <i>348.00</i>	1,078.03
26 24 16 00-0064 EA 400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,095.17 <i>348.00</i>	1,110.94
26 24 16 00-0065 EA 400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,290.33 <i>348.00</i>	1,178.84
26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0066)</small>		
26 24 16 00-0067 EA 50 Amp Rating, 8 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,215.77 <i>348.00</i>	259.22
26 24 16 00-0068 EA 50 Amp Rating, 10 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,344.97 <i>348.00</i>	259.22
26 24 16 00-0069 EA 50 Amp Rating, 12 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,497.85 <i>348.00</i>	341.51
26 24 16 00-0070 EA 50 Amp Rating, 14 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,707.39 <i>348.00</i>	341.51
26 24 16 00-0071 EA 100 Amp Rating 16 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,026.62 <i>348.00</i>	514.33
26 24 16 00-0072 EA 100 Amp Rating, 18 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,159.17 <i>348.00</i>	514.33
26 24 16 00-0073 EA 100 Amp Rating, 20 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,303.15 <i>348.00</i>	600.73
26 24 16 00-0074 EA 100 Amp Rating, 22 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,423.70 <i>348.00</i>	600.73
26 24 16 00-0075 EA 100 Amp Rating, 24 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,584.97 <i>348.00</i>	695.37
26 24 16 00-0076 EA 100 Amp Rating, 26 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,696.46 <i>348.00</i>	695.37
26 24 16 00-0077 EA 100 Amp Rating, 28 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,874.04 <i>348.00</i>	781.77

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0078	EA		100 Amp Rating, 30 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,025.56 348.00	781.77
26 24 16 00-0079	EA		225 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,961.08 348.00	905.21
26 24 16 00-0080	EA		225 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,133.38 348.00	954.59
26 24 16 00-0081	EA		225 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,204.97 348.00	954.59
26 24 16 00-0082	EA		225 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,397.47 348.00	1,078.03
26 24 16 00-0083	EA		225 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,534.48 348.00	1,078.03
26 24 16 00-0084	EA		225 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,620.76 348.00	1,078.03
26 24 16 00-0085	EA		400 Amp Rating, 32 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,680.33 348.00	991.63
26 24 16 00-0086	EA		400 Amp Rating, 34 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,867.88 348.00	1,049.22
26 24 16 00-0087	EA		400 Amp Rating, 36 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,941.69 348.00	1,078.03
26 24 16 00-0088	EA		400 Amp Rating, 38 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,148.93 348.00	1,143.86
26 24 16 00-0089	EA		400 Amp Rating, 40 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,284.94 348.00	1,176.78
26 24 16 00-0090	EA		400 Amp Rating, 42 - 20 Amp Breakers, 120/208 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,410.42 348.00	1,217.93
26 24 16 00-0091			480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0092	EA		100 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,155.43 348.00	263.33
26 24 16 00-0093	EA		100 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,323.13 348.00	263.33
26 24 16 00-0094	EA		100 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,483.77 348.00	362.09
26 24 16 00-0095	EA		100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,651.45 348.00	362.09
26 24 16 00-0096	EA		100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,807.61 348.00	452.61
26 24 16 00-0097	EA		100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,972.34 348.00	452.61
26 24 16 00-0098	EA		100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,144.39 348.00	547.24
26 24 16 00-0099	EA		100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,301.79 348.00	547.24
26 24 16 00-0100	EA		100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,475.17 348.00	650.11
26 24 16 00-0101	EA		100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,642.44 348.00	650.11
26 24 16 00-0102	EA		100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,795.96 348.00	740.63
26 24 16 00-0103	EA		100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,960.68 348.00	740.63
26 24 16 00-0104	EA		225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,314.36 348.00	901.10
26 24 16 00-0105	EA		225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,478.89 348.00	901.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0106 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,654.28 348.00	987.51
26 24 16 00-0107 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,781.39 348.00	987.51
26 24 16 00-0108 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,976.93 348.00	1,090.37
26 24 16 00-0109 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,115.54 348.00	1,090.37
26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0111 EA 50 Amp Rating, 8 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,466.99 348.00	279.79
26 24 16 00-0112 EA 50 Amp Rating, 10 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,630.77 348.00	304.48
26 24 16 00-0113 EA 50 Amp Rating, 12 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,796.43 348.00	378.54
26 24 16 00-0114 EA 100 Amp Rating, 14 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,376.17 348.00	460.84
26 24 16 00-0115 EA 100 Amp Rating, 16 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,545.27 348.00	510.21
26 24 16 00-0116 EA 100 Amp Rating, 18 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,699.92 348.00	551.36
26 24 16 00-0117 EA 100 Amp Rating, 20 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,869.78 348.00	600.73
26 24 16 00-0118 EA 100 Amp Rating, 22 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,033.45 348.00	650.11
26 24 16 00-0119 EA 100 Amp Rating, 24 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,183.67 348.00	691.26
26 24 16 00-0120 EA 100 Amp Rating, 26 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,344.43 348.00	732.40
26 24 16 00-0121 EA 100 Amp Rating, 28 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,517.92 348.00	781.77
26 24 16 00-0122 EA 100 Amp Rating, 30 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	3,707.01 348.00	843.49
26 24 16 00-0123 EA 225 Amp Rating, 32 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,687.50 348.00	938.13
26 24 16 00-0124 EA 225 Amp Rating, 34 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,869.04 348.00	995.73
26 24 16 00-0125 EA 225 Amp Rating, 36 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	4,999.62 348.00	1,020.42
26 24 16 00-0126 EA 225 Amp Rating, 38 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,203.18 348.00	1,086.26
26 24 16 00-0127 EA 225 Amp Rating, 40 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,346.39 348.00	1,127.40
26 24 16 00-0128 EA 225 Amp Rating, 42 - 20 Amp Breakers, 480 Volt, 3 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	5,494.70 348.00	1,162.79
26 24 16 00-0129 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0130 EA 100 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 12 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,663.20 348.00	288.02
26 24 16 00-0131 EA 100 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	1,947.82 348.00	288.02
26 24 16 00-0132 EA 100 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,227.44 348.00	382.66
26 24 16 00-0133 EA 100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity <i>For Weathertight NEMA 3R Panelboards, Add</i>	2,508.59 348.00	382.66

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0134	EA		100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 20 Circuit Capacity.....	2,792.83	473.18
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0135	EA		100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	3,073.09	473.18
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0136	EA		100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 24 Circuit Capacity.....	3,356.45	567.82
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0137	EA		100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,638.99	567.82
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0138	EA		100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	3,939.25	666.56
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0139	EA		100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	4,205.59	666.56
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0140	EA		100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	4,481.84	670.68
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0141	EA		100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 30 Circuit Capacity.....	4,770.03	670.68
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0142	EA		225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,259.73	929.91
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0143	EA		225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,548.69	929.91
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0144	EA		225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	5,791.83	979.28
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0145	EA		225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 42 Circuit Capacity.....	6,099.28	1,045.12
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0146	EA		225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	6,352.94	1,045.12
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0147	EA		225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Main Lugs, 54 Circuit Capacity.....	6,684.51	1,143.86
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0148			277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>		
26 24 16 00-0149	EA		50 Amp Rating, 8 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 12 Circuit Capacity.....	2,025.53	353.86
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0150	EA		50 Amp Rating, 10 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,314.72	353.86
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0151	EA		50 Amp Rating, 12 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, Up To 50 Amp Main Breaker, 20 Circuit Capacity.....	2,596.47	469.07
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0152	EA		100 Amp Rating, 14 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,118.20	469.07
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0153	EA		100 Amp Rating, 16 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 20 Circuit Capacity.....	3,407.58	592.51
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0154	EA		100 Amp Rating, 18 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,696.67	592.51
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0155	EA		100 Amp Rating, 20 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 24 Circuit Capacity.....	3,979.56	678.91
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0156	EA		100 Amp Rating, 22 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,249.01	678.91
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0157	EA		100 Amp Rating, 24 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,529.00	773.54
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0158	EA		100 Amp Rating, 26 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	4,821.72	773.54
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0159	EA		100 Amp Rating, 28 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	5,088.23	855.84
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0160	EA		100 Amp Rating, 30 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >50 To 100 Amp Main Breaker, 30 Circuit Capacity.....	5,362.71	855.84
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	
26 24 16 00-0161	EA		225 Amp Rating, 32 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	7,114.50	1,012.19
			<i>For Weathertight NEMA 3R Panelboards, Add</i>	348.00	



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Switchboards And Panelboards	26 24	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0162 EA 225 Amp Rating, 34 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	7,421.95	1,012.19
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0163 EA 225 Amp Rating, 36 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	7,675.61	1,106.83
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0164 EA 225 Amp Rating, 38 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 42 Circuit Capacity.....	8,007.18	1,106.83
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0165 EA 225 Amp Rating, 40 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	8,274.72	1,209.70
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0166 EA 225 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >100 To 225 Amp Main Breaker, 54 Circuit Capacity.....	8,491.39	1,209.70
<i>For Weathertight NEMA 3R Panelboards, Add</i>	<i>348.00</i>	
26 24 16 00-0167 EA 400 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >225 To 400 Amp Main Breaker, 54 Circuit Capacity.....	9,885.04	1,347.13
26 24 16 00-0168 EA 600 Amp Rating, 42 - 20 Amp Breakers, 277/480 Volt, 4 Wire, 3 Phase Assembled Panelboard, >400 To 600 Amp Main Breaker, 54 Circuit Capacity.....	12,055.49	1,617.04
 26 24 16 00-0169 Unassembled Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>		
<small>Note: Listed panelboards include the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device).</small>		
 26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
<small>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.</small>		
 26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0172 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	442.91	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0173 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	510.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0174 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	697.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0175 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	805.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0176 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	911.38	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0177 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,020.33	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0178 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,108.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0179 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,214.02	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0180 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,328.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0181 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,416.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0182 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,548.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
 26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0184 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	659.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0185 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	748.19	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0186 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,200.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	
26 24 16 00-0187 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard.....	1,334.15	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	<i>328.00</i>	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0188 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,460.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0189 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,520.07	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0190 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,672.23	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0191 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,809.08	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0193 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	889.78	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0194 EA 100 Amp Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	951.93	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0195 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,128.15	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0196 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,234.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0197 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,332.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0198 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,523.80	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0199 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,606.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0200 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,706.85	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0201 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,860.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0202 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,945.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0203 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	2,069.60	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,101.33	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0206 EA 100 Amp Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,184.43	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0207 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,714.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0208 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,837.62	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0209 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	1,955.93	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0210 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,005.25	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0211 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,152.30	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0212 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboard	3,287.87	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0189)</small>		
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	499.64	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0216 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	588.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0217 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	662.70	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0218 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	751.94	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0219 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	865.79	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0220 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	959.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0221 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,106.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0222 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,192.61	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0223 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,288.17	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0224 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,424.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0225 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,571.01	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0226 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,855.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	772.93	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0229 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	872.05	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0230 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,003.87	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0231 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,483.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0232 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,607.26	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0233 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,723.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0234 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,380.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0235 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,522.67	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0236 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,640.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0237 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238 EA 100 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	946.52	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0239 EA 100 Amp Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,029.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0240 EA 100 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,098.93	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0241 EA 225 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,183.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0242 EA 225 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,294.79	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0243 EA 225 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,380.12	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0244 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,609.76	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0245 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,690.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0246 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,781.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0247 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,956.28	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0248 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,093.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0249 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,377.95	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0250 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,214.69	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0252 EA 100 Amp Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,308.28	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0253 EA 100 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,437.12	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0254 EA 225 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	1,997.52	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0255 EA 225 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,110.74	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0256 EA 225 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	2,219.57	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0257 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,312.11	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0258 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,458.47	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0259 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboard	3,583.50	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0260 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
26 24 16 00-0261 Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	713.31	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0263 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	783.81	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0264 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,083.87	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0265 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,209.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0266 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.85	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0267 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,317.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0268 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,389.66	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0269 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,510.25	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0270 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,604.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0271 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,720.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0272 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,879.16	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,456.71	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0275 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,502.65	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0276 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,631.72	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0277 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,720.48	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0278 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,899.36	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0279 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,468.00	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0280 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,578.29	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0281 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,720.96	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0282 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,813.58	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0283 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,964.97	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0284 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	3,101.56	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Amp Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,144.87	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0287 EA 125 Amp Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,215.36	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0288 EA 250 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,505.21	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0289 EA 250 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,704.68	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0290 EA 250 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,804.73	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0291 EA 400 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,804.60	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0292 EA 400 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,863.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0293 EA 400 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,966.06	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0294 EA 600 Amp Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,103.05	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0295 EA 600 Amp Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,208.12	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0296 EA 600 Amp Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,344.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Amp Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,980.19	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0299 EA 100 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,026.13	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0300 EA 125 Amp Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,056.89	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0301 EA 125 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,141.82	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0302 EA 125 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,394.75	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0303 EA 250 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,954.88	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0304 EA 250 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,052.40	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0305 EA 250 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,176.77	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0306 EA 400 Amp Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,269.39	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0307 EA 400 Amp Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,409.10	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0308 EA 400 Amp Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,543.92	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: As manufactured by Square D or equal.		
26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	742.25	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0312 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	813.18	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0313 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	941.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0314 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,126.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0315 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,252.81	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0316 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,360.55	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0317 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,373.99	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0318 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,459.46	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0319 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,579.13	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0320 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,673.69	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0321 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,789.76	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0322 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Lugs, Unassembled	1,949.38	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,605.67	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0325 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,652.03	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0326 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled	1,790.52	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0327 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,836.48 328.00	
26 24 16 00-0328 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,925.60 328.00	
26 24 16 00-0329 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,104.03 328.00	
26 24 16 00-0330 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,708.16 328.00	
26 24 16 00-0331 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,819.78 328.00	
26 24 16 00-0332 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,960.95 328.00	
26 24 16 00-0333 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,101.37 328.00	
26 24 16 00-0334 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,254.18 328.00	
26 24 16 00-0335 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1 Panelboard, Main Breaker, Unassembled <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,390.70 328.00	
 26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0337 EA 125 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,173.81 328.00	
26 24 16 00-0338 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,244.73 328.00	
26 24 16 00-0339 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,366.63 328.00	
26 24 16 00-0340 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,547.80 328.00	
26 24 16 00-0341 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,748.20 328.00	
26 24 16 00-0342 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,847.43 328.00	
26 24 16 00-0343 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,862.14 328.00	
26 24 16 00-0344 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	1,933.57 328.00	
26 24 16 00-0345 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,034.94 328.00	
26 24 16 00-0346 EA 600 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,172.06 328.00	
26 24 16 00-0347 EA 600 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,277.49 328.00	
26 24 16 00-0348 EA 600 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Lugs, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,414.13 328.00	
 26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0309)</small>		
26 24 16 00-0350 EA 100 Amp, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,027.00 328.00	
26 24 16 00-0351 EA 100 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,073.37 328.00	
26 24 16 00-0352 EA 100 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,285.91 328.00	
26 24 16 00-0353 EA 125 Amp, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,261.65 328.00	
26 24 16 00-0354 EA 125 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,346.94 328.00	
26 24 16 00-0355 EA 125 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	2,599.42 328.00	
26 24 16 00-0356 EA 250 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled..... <i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	3,195.04 328.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0357 EA 250 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,293.89	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0358 EA 250 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,416.76	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0359 EA 400 Amp, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,557.18	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0360 EA 400 Amp, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,698.08	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0361 EA 400 Amp, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12 Panelboard, Main Breaker, Unassembled.....	3,832.47	
<i>For Hinged Door-In-Door With Yale 5116 With Rosette, Add</i>	328.00	
26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0169)</small>		
Note: Square D I-Line or equal.		
26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0364 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,285.87	244.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.93	
26 24 16 00-0365 EA 400 Amp Rating, 45" Breaker Mounted Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,499.20	244.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.90	
26 24 16 00-0366 EA 400 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,659.85	244.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.90	
26 24 16 00-0367 EA 600 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,912.68	402.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.23	
26 24 16 00-0368 EA 600 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,037.02	402.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.23	
26 24 16 00-0369 EA 600 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,173.46	402.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.23	
26 24 16 00-0370 EA 800 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,363.95	534.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.66	
26 24 16 00-0371 EA 800 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,483.84	536.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.64	
26 24 16 00-0372 EA 800 Amp Rating, 63" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,532.30	534.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.66	
26 24 16 00-0373 EA 800 Amp Rating, 99" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,926.77	534.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.66	
26 24 16 00-0374 EA 1,200 Amp Rating, 27" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,831.40	804.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.46	
26 24 16 00-0375 EA 1,200 Amp Rating, 45" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,099.88	804.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.46	
26 24 16 00-0376 EA 1,200 Amp Rating, 63" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,319.40	804.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.46	
26 24 16 00-0377 EA 1,200 Amp Rating, 99" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,587.33	804.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	482.46	
26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,449.90	250.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.04	
26 24 16 00-0380 EA 400 Amp Rating, 27" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,209.18	283.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.19	
26 24 16 00-0381 EA 400 Amp Rating, 45" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,364.33	283.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.19	
26 24 16 00-0382 EA 400 Amp Rating, 81" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,820.96	283.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	170.19	
26 24 16 00-0383 EA 600 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,998.41	464.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0384 EA 600 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,255.05	466.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	279.72	
26 24 16 00-0385 EA 600 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,466.05	464.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.98	
26 24 16 00-0386 EA 800 Amp Rating, 36" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,325.09	621.58
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	372.97	
26 24 16 00-0387 EA 800 Amp Rating, 72" Breaker Mounting Space, 250 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,628.23	619.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.65	
26 24 16 00-0388 EA 800 Amp Rating, 72" Breaker Mounting Space, 600 Amp Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,930.82	619.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	371.65	
26 24 16 00-0389 Branch Circuit Breakers <small>(26 24 16 00-0001)</small>		
<i>Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.</i>		
26 24 16 00-0390 Branch Circuit Breakers 10,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0391 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	40.62	14.81
<i>For Bolt-On, Add</i>	10.84	
<i>For Installation In New Panelboard, Deduct</i>	-8.23	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0392 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	40.62	14.81
<i>For Bolt-On, Add</i>	10.84	
<i>For Installation In New Panelboard, Deduct</i>	-8.23	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.87	
26 24 16 00-0393 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	58.94	18.51
<i>For Bolt-On, Add</i>	14.57	
<i>For Installation In New Panelboard, Deduct</i>	-10.29	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.34	
26 24 16 00-0394 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	87.91	18.10
<i>For Bolt-On, Add</i>	17.90	
<i>For Installation In New Panelboard, Deduct</i>	-9.88	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.85	
26 24 16 00-0395 EA 1 Pole GFI, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	122.90	18.10
<i>For Bolt-On, Add</i>	22.28	
<i>For Installation In New Panelboard, Deduct</i>	-9.88	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.85	
26 24 16 00-0396 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	142.86	18.10
<i>For Bolt-On, Add</i>	24.77	
<i>For Installation In New Panelboard, Deduct</i>	-9.88	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.85	
26 24 16 00-0397 EA 1 Pole GFI, 120/240 Volt, 15-20 Amp, "Arc Fault" Circuit Breaker, 10,000 Amp Interrupting Capacity.....	68.63	18.10
<i>For Bolt-On, Add</i>	15.49	
<i>For Installation In New Panelboard, Deduct</i>	-9.88	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.85	
26 24 16 00-0398 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	67.17	22.22
<i>For Bolt-On, Add</i>	17.04	
<i>For Installation In New Panelboard, Deduct</i>	-12.34	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81	
26 24 16 00-0399 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	67.17	22.22
<i>For Bolt-On, Add</i>	17.04	
<i>For Installation In New Panelboard, Deduct</i>	-12.34	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81	
26 24 16 00-0400 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	101.45	29.63
<i>For Bolt-On, Add</i>	24.20	
<i>For Installation In New Panelboard, Deduct</i>	-16.46	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.75	
26 24 16 00-0401 EA 2 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	168.36	37.03
<i>For Bolt-On, Add</i>	35.45	
<i>For Installation In New Panelboard, Deduct</i>	-20.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.69	
26 24 16 00-0402 EA 2 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity.....	198.52	41.14
<i>For Bolt-On, Add</i>	40.66	
<i>For Installation In New Panelboard, Deduct</i>	-22.63	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0403 EA 2 Pole GFI, 120/240 Volt, 15-50 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	168.57	26.33
For Bolt-On, Add	31.44	
For Installation In New Panelboard, Deduct	-14.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.78	
26 24 16 00-0404 EA 2 Pole, GFI, 120/240 Volt, 15-50 Amp, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amp Interrupting Capacity.....	225.81	26.33
For Bolt-On, Add	38.60	
For Installation In New Panelboard, Deduct	-14.81	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.78	
26 24 16 00-0405 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	128.15	29.63
For Bolt-On, Add	27.54	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0406 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	128.15	29.63
For Bolt-On, Add	27.54	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0407 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	168.02	37.03
For Bolt-On, Add	35.41	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0408 EA 3 Pole, 120/240 Volt, 110-125 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	254.47	44.44
For Bolt-On, Add	49.09	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0409 EA 3 Pole, 120/240 Volt, 150 Amp, Branch Circuit Breaker, 10,000 Amp Interrupting Capacity	324.79	51.85
For Bolt-On, Add	60.76	
For Installation In New Panelboard, Deduct	-28.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.56	
26 24 16 00-0410 Branch Circuit Breakers 14,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0411 EA 1 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	58.76	14.81
For Bolt-On, Add	13.10	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0412 EA 1 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	58.76	14.81
For Bolt-On, Add	13.10	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0413 EA 1 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	105.30	18.51
For Bolt-On, Add	20.36	
For Installation In New Panelboard, Deduct	-10.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 24 16 00-0414 EA 1 Pole GFI, 277/480 Volt, 15-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	162.50	18.10
For Bolt-On, Add	27.23	
For Installation In New Panelboard, Deduct	-9.88	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.85	
26 24 16 00-0415 EA 2 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	114.91	22.22
For Bolt-On, Add	23.00	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0416 EA 2 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	114.91	22.22
For Bolt-On, Add	23.00	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0417 EA 2 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	226.87	29.63
For Bolt-On, Add	39.88	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0418 EA 2 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	309.21	37.03
For Bolt-On, Add	53.05	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0419 EA 2 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity	454.90	41.14
For Bolt-On, Add	72.70	
For Installation In New Panelboard, Deduct	-22.63	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0420 EA 3 Pole, 277/480 Volt, 15-30 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	183.54	29.63
For Bolt-On, Add	34.46	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0421 EA 3 Pole, 277/480 Volt, 35-60 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	183.54	29.63
For Bolt-On, Add	34.46	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0422 EA 3 Pole, 277/480 Volt, 70-100 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	274.77	37.03
For Bolt-On, Add	48.75	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0423 EA 3 Pole, 277/480 Volt, 110-125 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	391.21	44.44
For Bolt-On, Add	66.18	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0424 EA 3 Pole, 277/480 Volt, 150 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	606.44	51.85
For Bolt-On, Add	95.97	
For Installation In New Panelboard, Deduct	-28.80	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.56	
26 24 16 00-0425 EA 3 Pole, 277/480 Volt, 175 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	700.00	55.55
For Bolt-On, Add	109.10	
For Installation In New Panelboard, Deduct	-30.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.03	
26 24 16 00-0426 EA 3 Pole, 277/480 Volt, 200 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	752.05	59.25
For Bolt-On, Add	117.05	
For Installation In New Panelboard, Deduct	-32.92	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.50	
26 24 16 00-0427 EA 3 Pole, 277/480 Volt, 225 Amp, Branch Circuit Breaker, 14,000 Amp Interrupting Capacity.....	890.19	62.95
For Bolt-On, Add	135.76	
For Installation In New Panelboard, Deduct	-34.98	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.97	
26 24 16 00-0428 Branch Circuit Breakers 18,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0429 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	70.68	14.81
For Bolt-On, Add	14.59	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0430 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	70.68	14.81
For Bolt-On, Add	14.59	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0431 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	117.07	18.51
For Bolt-On, Add	21.83	
For Installation In New Panelboard, Deduct	-10.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 24 16 00-0432 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	145.97	22.22
For Bolt-On, Add	26.89	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0433 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	145.97	22.22
For Bolt-On, Add	26.89	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0434 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	256.65	29.63
For Bolt-On, Add	43.60	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0435 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	660.31	37.03
For Bolt-On, Add	96.94	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0436 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity.....	234.79	29.63
For Bolt-On, Add	40.87	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0437 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	234.79	29.63
For Bolt-On, Add	40.87	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0438 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	312.07	37.03
For Bolt-On, Add	53.41	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0439 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 18,000 Amp Interrupting Capacity	817.48	44.44
For Bolt-On, Add	119.47	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0440 Branch Circuit Breakers 22,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0441 EA 1 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	80.79	14.81
For Bolt-On, Add	15.86	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0442 EA 1 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	80.79	14.81
For Bolt-On, Add	15.86	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0443 EA 1 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	95.17	18.51
For Bolt-On, Add	19.10	
For Installation In New Panelboard, Deduct	-10.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 24 16 00-0444 EA 1 Pole GFI, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	161.14	18.10
For Bolt-On, Add	27.06	
For Installation In New Panelboard, Deduct	-9.88	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.85	
26 24 16 00-0445 EA 2 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	172.37	22.22
For Bolt-On, Add	30.19	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0446 EA 2 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	172.37	22.22
For Bolt-On, Add	30.19	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0447 EA 2 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	208.83	29.63
For Bolt-On, Add	37.63	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0448 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	301.50	37.03
For Bolt-On, Add	52.09	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0449 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	390.55	41.14
For Bolt-On, Add	64.66	
For Installation In New Panelboard, Deduct	-22.63	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.16	
26 24 16 00-0450 EA 2 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	487.84	48.14
For Bolt-On, Add	79.70	
For Installation In New Panelboard, Deduct	-26.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.09	
26 24 16 00-0451 EA 2 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	526.04	55.55
For Bolt-On, Add	87.36	
For Installation In New Panelboard, Deduct	-30.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.03	
26 24 16 00-0452 EA 3 Pole, 120/240 Volt, 15-30 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	209.27	29.63
For Bolt-On, Add	37.68	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0453 EA 3 Pole, 120/240 Volt, 35-60 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity	209.27	29.63
For Bolt-On, Add	37.68	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0454 EA 3 Pole, 120/240 Volt, 70-100 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	245.27	37.03
<i>For Bolt-On, Add</i>	45.06	
<i>For Installation In New Panelboard, Deduct</i>	-20.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.69	
26 24 16 00-0455 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	373.74	44.44
<i>For Bolt-On, Add</i>	64.00	
<i>For Installation In New Panelboard, Deduct</i>	-24.69	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.63	
26 24 16 00-0456 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	490.62	57.60
<i>For Bolt-On, Add</i>	83.65	
<i>For Installation In New Panelboard, Deduct</i>	-31.89	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.27	
26 24 16 00-0457 EA 3 Pole, 240 Volt, 250 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	606.51	66.66
<i>For Bolt-On, Add</i>	101.73	
<i>For Installation In New Panelboard, Deduct</i>	-37.03	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.44	
26 24 16 00-0458 EA 3 Pole, 240 Volt, 300-400 Amp, Branch Circuit Breaker, 22,000 Amp Interrupting Capacity.....	645.05	70.77
<i>For Bolt-On, Add</i>	107.99	
<i>For Installation In New Panelboard, Deduct</i>	-39.09	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.91	
 26 24 16 00-0459 Branch Circuit Breakers 25,000 Amp Interrupting Capacity, Plug-On _(26 24 16 00-0389)		
<i>Note: Includes connection of electrical wire.</i>		
26 24 16 00-0460 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	178.96	22.22
<i>For Bolt-On, Add</i>	31.01	
<i>For Installation In New Panelboard, Deduct</i>	-12.34	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81	
26 24 16 00-0461 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	178.96	22.22
<i>For Bolt-On, Add</i>	31.01	
<i>For Installation In New Panelboard, Deduct</i>	-12.34	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81	
26 24 16 00-0462 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	272.58	29.63
<i>For Bolt-On, Add</i>	45.59	
<i>For Installation In New Panelboard, Deduct</i>	-16.46	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.75	
26 24 16 00-0463 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	443.98	37.03
<i>For Bolt-On, Add</i>	69.90	
<i>For Installation In New Panelboard, Deduct</i>	-20.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.69	
26 24 16 00-0464 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	692.83	46.08
<i>For Bolt-On, Add</i>	104.60	
<i>For Installation In New Panelboard, Deduct</i>	-25.72	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.86	
26 24 16 00-0465 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	785.82	48.14
<i>For Bolt-On, Add</i>	116.95	
<i>For Installation In New Panelboard, Deduct</i>	-26.75	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.09	
26 24 16 00-0466 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	858.33	55.55
<i>For Bolt-On, Add</i>	128.89	
<i>For Installation In New Panelboard, Deduct</i>	-30.86	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.03	
26 24 16 00-0467 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	257.46	29.63
<i>For Bolt-On, Add</i>	43.70	
<i>For Installation In New Panelboard, Deduct</i>	-16.46	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.75	
26 24 16 00-0468 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	257.46	29.63
<i>For Bolt-On, Add</i>	43.70	
<i>For Installation In New Panelboard, Deduct</i>	-16.46	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.75	
26 24 16 00-0469 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	324.34	37.03
<i>For Bolt-On, Add</i>	54.95	
<i>For Installation In New Panelboard, Deduct</i>	-20.58	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.69	
26 24 16 00-0470 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity.....	552.48	44.44
<i>For Bolt-On, Add</i>	86.34	
<i>For Installation In New Panelboard, Deduct</i>	-24.69	
<i>Note: Also for use with new interiors in panelboards.</i>		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.63	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0471 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	808.30	57.60
For Bolt-On, Add	123.36	
For Installation In New Panelboard, Deduct	-31.89	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.27	
26 24 16 00-0472 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	954.89	66.66
For Bolt-On, Add	145.28	
For Installation In New Panelboard, Deduct	-37.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.44	
26 24 16 00-0473 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 25,000 Amp Interrupting Capacity	1,033.30	70.77
For Bolt-On, Add	156.52	
For Installation In New Panelboard, Deduct	-39.09	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.91	
26 24 16 00-0474 Branch Circuit Breakers 30,000 Amp Interrupting Capacity, Plug-On (26 24 16 00-0389)		
Note: Includes connection of electrical wire.		
26 24 16 00-0475 EA 2 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	185.52	22.22
For Bolt-On, Add	31.83	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0476 EA 2 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	185.52	22.22
For Bolt-On, Add	31.83	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0477 EA 2 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	333.09	29.63
For Bolt-On, Add	53.16	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0478 EA 2 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	611.76	37.03
For Bolt-On, Add	90.87	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0479 EA 2 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	970.17	46.08
For Bolt-On, Add	139.27	
For Installation In New Panelboard, Deduct	-25.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.86	
26 24 16 00-0480 EA 2 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,104.79	48.14
For Bolt-On, Add	156.82	
For Installation In New Panelboard, Deduct	-26.75	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.09	
26 24 16 00-0481 EA 2 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,202.54	55.55
For Bolt-On, Add	171.92	
For Installation In New Panelboard, Deduct	-30.86	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.03	
26 24 16 00-0482 EA 3 Pole, 240/480 Volt, 15-30 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	302.84	29.63
For Bolt-On, Add	49.38	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0483 EA 3 Pole, 240/480 Volt, 35-60 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	302.84	29.63
For Bolt-On, Add	49.38	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0484 EA 3 Pole, 240/480 Volt, 70-100 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	403.00	37.03
For Bolt-On, Add	64.78	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0485 EA 3 Pole, 240/480 Volt, 110-125 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	744.19	44.44
For Bolt-On, Add	110.31	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0486 EA 3 Pole, 240/480 Volt, 150-225 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	940.08	57.60
For Bolt-On, Add	139.83	
For Installation In New Panelboard, Deduct	-31.89	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.27	
26 24 16 00-0487 EA 3 Pole, 240/480 Volt, 250 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity	1,502.54	66.66
For Bolt-On, Add	213.74	
For Installation In New Panelboard, Deduct	-37.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0488 EA 3 Pole, 240/480 Volt, 300-400 Amp, Branch Circuit Breaker, 30,000 Amp Interrupting Capacity.....	1,600.33	70.77
For Bolt-On, Add	227.40	
For Installation In New Panelboard, Deduct	-39.09	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.91	
26 24 16 00-0489 Branch Circuit Breakers 35,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0490 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	97.31	14.81
For Bolt-On, Add	17.92	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0491 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	97.31	14.81
For Bolt-On, Add	17.92	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0492 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	169.14	18.51
For Bolt-On, Add	28.34	
For Installation In New Panelboard, Deduct	-10.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 24 16 00-0493 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	212.36	22.22
For Bolt-On, Add	35.18	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0494 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	212.36	22.22
For Bolt-On, Add	35.18	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0495 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	388.63	29.63
For Bolt-On, Add	60.10	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0496 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	722.70	37.03
For Bolt-On, Add	104.74	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0497 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,408.34	46.08
For Bolt-On, Add	194.04	
For Installation In New Panelboard, Deduct	-25.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.86	
26 24 16 00-0498 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	351.27	29.63
For Bolt-On, Add	55.43	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0499 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	351.27	29.63
For Bolt-On, Add	55.43	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0500 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	470.29	37.03
For Bolt-On, Add	73.19	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0501 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	890.42	44.44
For Bolt-On, Add	128.58	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0502 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 35,000 Amp Interrupting Capacity.....	1,751.07	57.60
For Bolt-On, Add	241.21	
For Installation In New Panelboard, Deduct	-31.89	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.27	
26 24 16 00-0503 Branch Circuit Breakers 42,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0504 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity.....	143.85	14.81
For Bolt-On, Add	23.74	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0505 EA 1 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	143.85	14.81
For Bolt-On, Add	23.74	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0506 EA 1 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	218.64	18.51
For Bolt-On, Add	34.53	
For Installation In New Panelboard, Deduct	-10.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.34	
26 24 16 00-0507 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	266.20	22.22
For Bolt-On, Add	41.91	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0508 EA 2 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	266.20	22.22
For Bolt-On, Add	41.91	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0509 EA 2 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	504.54	29.63
For Bolt-On, Add	74.59	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0510 EA 2 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	919.36	37.03
For Bolt-On, Add	129.32	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0511 EA 2 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,840.27	41.14
For Bolt-On, Add	245.87	
For Installation In New Panelboard, Deduct	-22.63	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.16	
26 24 16 00-0512 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	459.16	29.63
For Bolt-On, Add	68.92	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0513 EA 3 Pole, 240 Volt, 35-60 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	459.16	29.63
For Bolt-On, Add	68.92	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0514 EA 3 Pole, 240 Volt, 70-100 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	636.98	37.03
For Bolt-On, Add	94.03	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0515 EA 3 Pole, 240 Volt, 110-125 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	1,036.65	44.44
For Bolt-On, Add	146.86	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0516 EA 3 Pole, 240 Volt, 150-225 Amp, Branch Circuit Breaker, 42,000 Amp Interrupting Capacity	2,321.05	57.60
For Bolt-On, Add	312.45	
For Installation In New Panelboard, Deduct	-31.89	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.27	
26 24 16 00-0517 Branch Circuit Breakers 65,000 Amp Interrupting Capacity, Plug-On <small>(26 24 16 00-0389)</small>		
Note: Includes connection of electrical wire.		
26 24 16 00-0518 EA 1 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	63.52	14.81
For Bolt-On, Add	13.70	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0519 EA 2 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	135.63	22.22
For Bolt-On, Add	25.59	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0520 EA 3 Pole, 240 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	216.11	29.63
For Bolt-On, Add	38.54	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0521 EA 1 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity	135.87	14.81
For Bolt-On, Add	22.74	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0522 EA 1 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	135.87	14.81
For Bolt-On, Add	22.74	
For Installation In New Panelboard, Deduct	-8.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0523 EA 1 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	270.57	29.63
For Bolt-On, Add	45.34	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0524 EA 2 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	310.55	22.22
For Bolt-On, Add	47.46	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0525 EA 2 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	310.55	22.22
For Bolt-On, Add	47.46	
For Installation In New Panelboard, Deduct	-12.34	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0526 EA 2 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	604.49	29.63
For Bolt-On, Add	87.08	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0527 EA 2 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,030.29	37.03
For Bolt-On, Add	143.19	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0528 EA 2 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,279.33	46.08
For Bolt-On, Add	302.92	
For Installation In New Panelboard, Deduct	-25.72	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.86	
26 24 16 00-0529 EA 3 Pole, 480 Volt, 15-30 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	522.60	29.63
For Bolt-On, Add	76.85	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0530 EA 3 Pole, 480 Volt, 35-60 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	522.60	29.63
For Bolt-On, Add	76.85	
For Installation In New Panelboard, Deduct	-16.46	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0531 EA 3 Pole, 480 Volt, 70-100 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	729.08	37.03
For Bolt-On, Add	105.54	
For Installation In New Panelboard, Deduct	-20.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0532 EA 3 Pole, 480 Volt, 110-125 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	1,117.33	44.44
For Bolt-On, Add	156.95	
For Installation In New Panelboard, Deduct	-24.69	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.63	
26 24 16 00-0533 EA 3 Pole, 480 Volt, 150-225 Amp, Branch Circuit Breaker, 65,000 Amp Interrupting Capacity.....	2,834.33	57.60
For Bolt-On, Add	376.61	
For Installation In New Panelboard, Deduct	-31.89	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	38.27	
26 24 16 00-0534 Residential Lighting And Power Panelboards <small>(26 24 16 00-0001)</small>		
26 24 16 00-0535 Residential Type Unassembled Load Center <small>(26 24 16 00-0534)</small>		
Note: Interior box and cover, includes ground bar kit.		
26 24 16 00-0536 Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase <small>(26 24 16 00-0535)</small>		
26 24 16 00-0537 EA 30 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	109.21	41.14
26 24 16 00-0538 EA 70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	369.16	164.58
26 24 16 00-0539 EA 100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	556.45	234.94
26 24 16 00-0540 EA 125 Amp, 24 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,188.49	493.83
26 24 16 00-0541 EA 150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,299.18	534.90
26 24 16 00-0542 Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC <small>(26 24 16 00-0535)</small>		
Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta.		
26 24 16 00-0543 EA 60 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	150.78	45.26
26 24 16 00-0544 EA 125 Amp, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled.....	266.44	49.37
26 24 16 00-0545 Main Lug Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof <small>(26 24 16 00-0535)</small>		
26 24 16 00-0546 EA 40 Amp, 2 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	153.24	45.26

26 Electrical
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0547	EA	70 Amp, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	170.80	49.37
26 24 16 00-0548	EA	100 Amp, 8 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	605.77	234.94
26 24 16 00-0549	EA	150 Amp, 30 Circuit, Main Lug Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,374.24	534.90
26 24 16 00-0550		Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535) Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0551	EA	60 A, 3 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	188.31	45.26
26 24 16 00-0552	EA	125 A, 20 Circuit, Main Lug Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	1,325.84	493.83
26 24 16 00-0553		Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase (26 24 16 00-0535)		
26 24 16 00-0554	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,422.23	493.83
26 24 16 00-0555	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	1,543.65	534.90
26 24 16 00-0556	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase, Unassembled.....	5,306.99	822.92
26 24 16 00-0557		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535) Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V Delta.		
26 24 16 00-0558	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,044.97	493.83
26 24 16 00-0559	EA	150 Amp, 40 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,230.18	534.90
26 24 16 00-0560	EA	300 Amp, 42 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	5,830.98	822.92
26 24 16 00-0561		Main Breaker Load Center, 3 Wire 120/240 Volt, Single Phase, Rainproof (26 24 16 00-0535)		
26 24 16 00-0562	EA	125 Amp, 24 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,491.93	493.83
26 24 16 00-0563	EA	150 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled.....	1,662.66	534.90
26 24 16 00-0564		Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 V AC (26 24 16 00-0535) Note: 3 Phase 4 wire 240/120 V AC Delta, 3 phase 3 wire 240 V AC Delta, Rainproof.		
26 24 16 00-0565	EA	125 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,160.56	493.83
26 24 16 00-0566	EA	155 Amp, 30 Circuit, Main Breaker Load Center Panelboard, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled.....	2,242.73	534.90
26 24 16 00-0567		Residential Type Assembled Load Center (26 24 16 00-0534)		
26 24 16 00-0568		Main Lug Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase (26 24 16 00-0567) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0569	EA	100 Amp Main Lugs, Indoor 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	556.77	234.94
26 24 16 00-0570	EA	100 Amp Main Lugs, Indoor 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	676.50	274.45
26 24 16 00-0571	EA	100 Amp Main Lugs, Rainproof, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	568.56	234.94
26 24 16 00-0572	EA	100 Amp Main Lugs, Rainproof, 12 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	679.72	274.45
26 24 16 00-0573	EA	200 Amp Main Lugs, Indoor, 8 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	982.52	365.78
26 24 16 00-0574	EA	200 Amp Main Lugs, Indoor, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,160.06	439.03
26 24 16 00-0575	EA	200 Amp Main Lugs, Indoor, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,327.11	506.51
26 24 16 00-0576	EA	200 Amp Main Lugs, Indoor, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,461.19	548.32
26 24 16 00-0577	EA	200 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,187.30	822.92
26 24 16 00-0578	EA	200 Amp Main Lugs, Rainproof, 16 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,024.33	365.78
26 24 16 00-0579	EA	200 Amp Main Lugs, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,199.73	439.03
26 24 16 00-0580	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,366.78	506.51
26 24 16 00-0581	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	1,498.72	548.32
26 24 16 00-0582	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,310.61	822.92
26 24 16 00-0583	EA	400 Amp Main Lugs, Indoor, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,681.11	914.35
26 24 16 00-0584	EA	400 Amp Main Lugs, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers.....	2,809.78	914.35
26 24 16 00-0585		Main Lug Load Center, 4 Wire, 20 Amp, 120/208 V (26 24 16 00-0567) Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0586	EA	125 Amp Main Lugs, Indoor, 12 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	736.55	274.45
26 24 16 00-0587	EA	125 Amp Main Lugs, Indoor, 18 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,098.48	411.46
26 24 16 00-0588	EA	125 Amp Main Lugs, Rainproof, 12 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	771.93	274.45
26 24 16 00-0589	EA	125 Amp Main Lugs, Rainproof, 18 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,130.64	411.46
26 24 16 00-0590	EA	200 Amp Main Lugs, Indoor, 24 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,388.22	506.51
26 24 16 00-0591	EA	200 Amp Main Lugs, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,515.39	548.65
26 24 16 00-0592	EA	200 Amp Main Lugs, Indoor, 36 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,853.20	658.58
26 24 16 00-0593	EA	200 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,230.19	822.92
26 24 16 00-0594	EA	200 Amp Main Lugs, Rainproof, 24 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,425.75	506.51
26 24 16 00-0595	EA	200 Amp Main Lugs, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,557.69	548.32
26 24 16 00-0596	EA	200 Amp Main Lugs, Rainproof, 36 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	1,997.11	658.09
26 24 16 00-0597	EA	200 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,374.94	822.92
26 24 16 00-0598	EA	400 Amp Main Lugs, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,713.28	914.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0599 EA 400 Amp Main Lugs, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker.....	2,841.94	914.35
26 24 16 00-0600 Main Breaker Load Center, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase (26 24 16 00-0567)		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0601 EA 125 Amp Main Breaker, Indoor, 12 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	732.26	274.45
26 24 16 00-0602 EA 125 Amp Main Breaker, Indoor, 18 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,083.47	411.46
26 24 16 00-0603 EA 200 Amp Main Breaker, Indoor, 20 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,247.98	439.03
26 24 16 00-0604 EA 200 Amp Main Breaker, Indoor, 24 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,431.61	506.75
26 24 16 00-0605 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, With 1 Pole Plug-In Breakers	1,574.36	548.65
26 24 16 00-0606 EA 200 Amp Main Breaker, Indoor, 40 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,085.11	731.58
26 24 16 00-0607 EA 200 Amp Main Breaker, Rainproof, 20 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,258.70	439.03
26 24 16 00-0608 EA 200 Amp Main Breaker, Rainproof, 24 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,452.55	506.51
26 24 16 00-0609 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	1,579.13	548.32
26 24 16 00-0610 EA 200 Amp Main Breaker, Rainproof, 40 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	2,026.14	731.58
26 24 16 00-0611 EA 400 Amp Main Breaker, Indoor, 42 Circuit, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,785.48	914.35
26 24 16 00-0612 EA 400 Amp Main Breaker, Rainproof, 42 Circuits, 3 Wire, 20 Amp, 120/240 Volt, 1 Phase, 1 Pole Plug-In Breaker	3,999.93	914.35
26 24 16 00-0613 Main Breaker Load Center, 4 Wire, 20 Amp, 120/208 V (26 24 16 00-0567)		
Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0614 EA 200 Amp Main Breaker, Indoor, 30 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,874.58	548.65
26 24 16 00-0615 EA 200 Amp Main Breaker, Indoor, 42 Circuit, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,573.30	822.92
26 24 16 00-0616 EA 200 Amp Main Breaker, Rainproof, 30 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	1,938.32	548.32
26 24 16 00-0617 EA 200 Amp Main Breaker, Rainproof, 42 Circuits, 4 Wire, 20 Amp, 120/208 Volt, 1 Pole Plug-In Breaker	2,637.63	822.92
26 24 16 00-0618 Panel Mounted Accessories And Fuseholders (26 24 16 00-0001)		
26 24 16 00-0619 Midget Finger-Safe Fuse Holders (26 24 16 00-0618)		
Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0620 EA 1 Pole Midget Finger-Safe Fuse Holder.....	47.55	14.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0621 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	54.48	14.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0622 EA 2 Pole Midget Finger-Safe Fuse Holder.....	75.74	22.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0623 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	93.84	22.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.81	
26 24 16 00-0624 EA 3 Pole Midget Finger-Safe Fuse Holder.....	109.55	29.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0625 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	133.59	29.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0626 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	153.70	29.63
Note: With indicators.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0627 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	127.04	29.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.75	
26 24 16 00-0628 EA 4 Pole Midget Finger-Safe Fuse Holder.....	137.81	37.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0629 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	164.21	37.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.69	
26 24 16 00-0630 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	54.51	14.81
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0631 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	58.19	14.81
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0632 EA 35 To 48 Volt DC Midget Finger-Safe Fuse Holder.....	55.19	14.81
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.87	
26 24 16 00-0633 Removal And Reinstallation Of Panelboards (26 24 16 00-0001)		
Note: Includes storage, cleaning and supply materials.		
26 24 16 00-0634 EA Remove And Reinstall Panelboards With Breakers, Up To 42 Circuit Capacity.....	1,032.97	
Note: Includes removal and reinstallation of main wiring to panelboard.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	308.60	
26 24 16 00-0635 EA Remove And Reinstall Breaker, 1-2-3 Pole, Any Amperage.....	54.73	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.05	
26 24 16 00-0636 EA Panelboard Filler Plate, Fits 1" Opening.....	3.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.77	
26 24 19 Motor-Control Centers (26 24)		
26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.		
26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)		
Note: 1-Speed non-reversing.		
26 24 19 00-0003 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	1,908.27	75.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.14	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0004	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,263.31 47.40	78.99
26 24 19 00-0005	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,379.57 49.65	82.75
26 24 19 00-0006	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,143.83 58.68	97.80
26 24 19 00-0007	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,401.62 67.71	112.85
26 24 19 00-0008	EA		230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,877.90 90.28	150.47
26 24 19 00-0009			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed non-reversing.		
26 24 19 00-0010	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,908.27 45.14	75.23
26 24 19 00-0011	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,263.31 47.40	78.99
26 24 19 00-0012	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,379.57 49.65	82.75
26 24 19 00-0013	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,143.83 58.68	97.80
26 24 19 00-0014	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,401.62 67.71	112.85
26 24 19 00-0015	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,877.90 90.28	150.47
26 24 19 00-0016			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,776.14 45.14	75.23
26 24 19 00-0018	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,706.69 47.40	78.99
26 24 19 00-0019	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,323.08 49.65	82.75
26 24 19 00-0020	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,328.47 58.68	97.80
26 24 19 00-0021	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,386.61 67.71	112.85
26 24 19 00-0022	EA		230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,700.53 90.28	150.47
26 24 19 00-0023			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,776.14 45.14	75.23
26 24 19 00-0025	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,706.69 47.40	78.99
26 24 19 00-0026	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,323.08 49.65	82.75
26 24 19 00-0027	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,328.47 58.68	97.80
26 24 19 00-0028	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,386.61 67.71	112.85
26 24 19 00-0029	EA		480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,700.53 90.28	150.47
26 24 19 00-0030			230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,368.37 72.22	120.37
26 24 19 00-0032	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,644.78 76.74	127.90
26 24 19 00-0033	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,855.24 81.25	135.42
26 24 19 00-0034	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,278.43 92.54	154.23
26 24 19 00-0035	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,364.42 108.34	180.56
26 24 19 00-0036			480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,368.37 72.22	120.37
26 24 19 00-0038	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,644.78 76.74	127.90
26 24 19 00-0039	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,855.24 81.25	135.42
26 24 19 00-0040	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,278.43 92.54	154.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0041 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,364.42 108.34	180.56
26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,910.63 45.14	75.23
26 24 19 00-0044 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,830.40 47.40	78.99
26 24 19 00-0045 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,989.21 49.65	82.75
26 24 19 00-0046 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,026.62 58.68	97.80
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,052.18 67.71	112.85
26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,910.63 45.14	75.23
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,830.40 47.40	78.99
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,989.21 49.65	82.75
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,026.62 58.68	97.80
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,052.18 67.71	112.85
26 24 19 00-0054 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit.....	5,793.63	78.99
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit.....	8,881.16	86.51
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	14,984.33	97.80
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	23,191.15	112.85
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	39,687.87	150.47
26 24 19 00-0060 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit.....	5,793.63	78.99
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit.....	8,881.16	86.51
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit.....	14,984.33	97.80
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit.....	23,191.15	112.85
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit.....	39,687.87	150.47
26 24 19 00-0066 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,936.53 72.22	120.37
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,090.25 63.51	139.18
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,977.95 92.54	154.23
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,324.85 112.85	188.09
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,058.48 144.45	240.74
26 24 19 00-0072 480 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,936.53 72.22	120.37
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,090.25 63.51	139.18
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,977.95 92.54	154.23
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,324.85 112.85	188.09
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,058.48 144.45	240.74
26 24 19 00-0078 230 Volt Combination With Molded Case Circuit <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,387.26 58.68	97.80

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	17,379.32	120.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.22	
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	19,189.45	139.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51	
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	29,071.34	154.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.54	
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	39,654.62	188.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	
26 24 19 00-0084 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	53,818.72	240.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.45	
26 24 19 00-0085 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0086 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	16,387.26	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0087 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	17,379.32	120.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.22	
26 24 19 00-0088 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	19,189.45	139.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51	
26 24 19 00-0089 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	29,071.34	154.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.54	
26 24 19 00-0090 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	39,654.62	188.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	
26 24 19 00-0091 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	53,818.72	240.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.45	
26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers (26 24 19) Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	2,561.01	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 24 19 00-0095 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	2,916.05	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0096 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	4,521.41	82.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65	
26 24 19 00-0097 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	8,348.44	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0098 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	14,964.77	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0099 EA 230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	24,402.70	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	2,561.01	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 24 19 00-0102 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	2,916.05	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0103 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	4,521.41	82.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65	
26 24 19 00-0104 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	8,348.44	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	14,964.77	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit.....	24,402.70	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,423.37	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	4,346.56	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	6,439.18	82.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65	
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	11,503.66	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,898.28 67.71	112.85
26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,423.37 45.14	75.23
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,346.56 47.40	78.99
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,439.18 49.65	82.75
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,503.66 58.68	97.80
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,898.28 67.71	112.85
26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,004.56 72.22	120.37
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,271.78 76.74	127.90
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,952.95 81.25	135.42
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,427.88 92.54	154.23
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,855.87 108.34	180.56
26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,004.56 72.22	120.37
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,271.78 76.74	127.90
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,952.95 81.25	135.42
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,427.88 92.54	154.23
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,855.87 108.34	180.56
26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,622.05 67.71	112.85
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,529.11 72.22	120.37
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,171.68 76.74	127.90
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,248.12 88.02	146.70
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,614.37 103.83	173.04
26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,622.05 67.71	112.85
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,529.11 72.22	120.37

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	9,171.68	127.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.74	
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	17,248.12	146.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.02	
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	28,614.37	173.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.83	
26 24 19 00-0143 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0144 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit.....	6,411.43	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0145 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit.....	10,337.41	86.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.91	
26 24 19 00-0146 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	17,486.81	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0147 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	26,502.66	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0148 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	43,617.19	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0149 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, auto-transformer.		
26 24 19 00-0150 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit.....	6,411.43	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0151 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit.....	10,337.41	86.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.91	
26 24 19 00-0152 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit.....	17,486.81	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0153 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit.....	26,502.66	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0154 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit.....	43,617.19	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0155 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0156 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	4,572.72	120.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.22	
26 24 19 00-0157 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	5,713.57	139.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51	
26 24 19 00-0158 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	10,068.31	154.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.54	
26 24 19 00-0159 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	17,858.59	188.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	
26 24 19 00-0160 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	26,357.63	240.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.45	
26 24 19 00-0161 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, part winding.		
26 24 19 00-0162 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	4,572.72	120.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.22	
26 24 19 00-0163 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	5,713.57	139.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51	
26 24 19 00-0164 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	10,068.31	154.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.54	
26 24 19 00-0165 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	17,858.59	188.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	
26 24 19 00-0166 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	26,357.63	240.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.45	
26 24 19 00-0167 230 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, energy saving		
26 24 19 00-0168 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit.....	16,914.97	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0169 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit.....	17,901.51	120.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.22	
26 24 19 00-0170 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit.....	19,693.26	139.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51	
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	29,488.73	154.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.54	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	39,978.23	188.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	56,038.04	240.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.45	
26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit (26 24 19 00-0092)		
Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	16,915.00	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.69	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	17,901.51	120.37
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.22	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	19,693.26	139.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.51	
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	29,488.73	154.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.54	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	39,978.23	188.09
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	56,038.04	240.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.45	
26 24 19 00-0181 Combination Starters With Fusible Switch (26 24 19)		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,694.98	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,346.05	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,971.63	82.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,020.89	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,412.39	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,372.26	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	1,694.98	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,346.05	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	3,971.63	82.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	7,020.89	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	11,412.39	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	20,372.26	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,752.24	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,111.21	78.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.40	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,591.79	82.75
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.65	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,755.30	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.68	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,558.93	112.85
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.71	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,161.02	150.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28	
26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	2,752.24	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.14	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,111.21	78.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.40	
26 24 19 00-0206 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	6,591.79	82.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.65	
26 24 19 00-0207 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	10,755.30	97.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.68	
26 24 19 00-0208 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	16,558.93	112.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.71	
26 24 19 00-0209 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	28,161.02	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0210 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,213.92	120.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.22	
26 24 19 00-0212 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,431.49	127.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.74	
26 24 19 00-0213 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	6,993.14	135.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.25	
26 24 19 00-0214 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	12,517.46	154.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.54	
26 24 19 00-0215 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	19,961.75	180.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.34	
26 24 19 00-0216 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	3,213.92	120.37
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	72.22	
26 24 19 00-0218 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	4,431.49	127.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.74	
26 24 19 00-0219 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	6,993.14	135.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.25	
26 24 19 00-0220 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	12,517.46	154.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.54	
26 24 19 00-0221 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter.....	19,961.75	180.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	108.34	
26 24 19 00-0222 230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	3,686.30	75.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.14	
26 24 19 00-0224 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	5,631.82	78.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.40	
26 24 19 00-0225 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	8,117.92	82.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.65	
26 24 19 00-0226 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	16,383.59	97.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.68	
26 24 19 00-0227 480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)		
Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	3,686.30	75.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	45.14	
26 24 19 00-0229 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	5,631.82	78.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.40	
26 24 19 00-0230 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	8,117.92	82.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.65	
26 24 19 00-0231 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter.....	16,383.59	97.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.68	
26 24 19 00-0232 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)		
Note: Auto-transformer.		
26 24 19 00-0233 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	5,593.21	78.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.40	
26 24 19 00-0234 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	9,890.61	86.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.91	
26 24 19 00-0235 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	16,492.07	97.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	58.68	
26 24 19 00-0236 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	22,025.41	112.85
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.71	
26 24 19 00-0237 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	37,014.39	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0238 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)		
Note: Auto-transformer.		
26 24 19 00-0239 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	5,593.21	78.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	47.40	
26 24 19 00-0240 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	9,890.61	86.51
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0241 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,492.07 58.68	97.80
26 24 19 00-0242 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,025.41 67.71	112.85
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,014.39 90.28	150.47
26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,960.43 72.22	120.37
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,248.37 83.51	139.18
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,374.86 92.54	154.23
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,727.78 112.85	188.09
26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,960.43 72.22	120.37
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,248.37 83.51	139.18
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,374.86 92.54	154.23
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,727.78 112.85	188.09
26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,385.42 58.68	97.80
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,379.32 72.22	120.37
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,189.45 83.51	139.18
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,071.34 92.54	154.23
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,654.62 112.85	188.09
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,818.72 144.45	240.74
26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,385.42 58.68	97.80
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,379.32 72.22	120.37
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,189.45 83.51	139.18
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,071.34 92.54	154.23
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,654.62 112.85	188.09
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,818.72 144.45	240.74
26 24 19 00-0268 Starter Accessories (26 24 19)		
26 24 19 00-0269 Starter Modifications (26 24 19 00-0268)		
26 24 19 00-0270 EA Control Circuit Transformer 60 Hertz, Size 1, 2, 50 VA Standard.....	93.93	
26 24 19 00-0271 EA Control Circuit Transformer 60 Hertz, Size 3, 4, 150 VA Standard.....	286.84	
26 24 19 00-0272 EA Control Circuit Transformer 60 Hertz, Size 5, 6, 50 VA.....	410.03	
26 24 19 00-0273 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 50 VA.....	102.97	
26 24 19 00-0274 EA Control Circuit Transformer 60 Hertz, All Sizes, Extra 100 VA.....	145.26	

26 Electrical
26 20 Low-Voltage Electrical Distribution
 26 24 Switchboards And Panelboards



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0275	EA	Control Circuit Transformer 60 Hertz, All Sizes, Extra 150 VA.....	244.55	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	60.68	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	51.48	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	38.26	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	47.30	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	92.51	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	47.30	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	54.25	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	65.38	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	77.21	
26 24 19 00-0285	EA	Blank Devices Panel	14.61	
26 24 19 00-0286	EA	Oversize Or Special Color Starter.....	22.95	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	213.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.77</i>	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non Resettable	195.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.77</i>	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable.....	271.27	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press.....	22.95	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw.....	32.69	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	22.95	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In.....	32.69	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	32.69	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	47.30	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	117.55	
26 24 19 00-0297	EA	Heater Module	39.74	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	246.86	
26 24 19 00-0299	EA	JAM - Jam Protection Module	282.98	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module.....	537.07	
26 24 19 00-0301	EA	ULM - Underload Module.....	257.70	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	56.60	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	105.97	
26 24 19 00-0304	EA	Type SIS Control Wire	44.55	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control.....	56.60	
26 24 19 00-0306	EA	Ring Terminals Power.....	56.60	
26 24 19 00-0307	EA	14 Gauge Control Wire	44.55	
26 24 19 00-0308	EA	Wiremakers	56.60	
26 24 19 00-0309	EA	Wiring Diagram On Door.....	33.72	
26 24 19 00-0310	EA	Special Color Or Type Control Wire.....	40.94	
26 24 19 00-0311	EA	Current Transformer 12.5 VA.....	321.52	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	1,027.17	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	1,156.02	
26 24 19 00-0314		Control Relays And Special Components <small>(26 24 19 00-0268)</small>		
26 24 19 00-0315	EA	Control Relays, 600 Volt, 2 Pole	281.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.77</i>	
26 24 19 00-0316	EA	Control Relays, 600 Volt, 4 Pole	335.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.29</i>	
26 24 19 00-0317	EA	Control Relays, 600 Volt, 6 Pole	396.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>18.06</i>	
26 24 19 00-0318	EA	Control Relays, 600 Volt, 8 Pole	443.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>22.57</i>	
26 24 19 00-0319	EA	Control Relays, Pneumatic Timer	365.09	
26 24 19 00-0320	EA	Control Relays, Motor Driven Timer.....	951.36	
26 24 19 00-0321	EA	Control Relays, 7 Day Time Switch.....	1,197.42	
26 24 19 00-0322	EA	Control Relays, 24 Hour Time Switch	335.78	
26 24 19 00-0323	EA	Control Relays, Phase Voltage	571.17	
26 24 19 00-0324	EA	Control Relays, Two Circuit Alternator	799.47	
26 24 19 00-0325	EA	Control Relays, Manual 120 Volt.....	78.17	
26 24 19 00-0326	EA	Control Relays, Over-Current Relay	2,297.59	
26 24 19 00-0327	EA	Control Relays, UV-Relay	1,945.96	
26 24 19 00-0328	EA	Control Relays, Over-Current Relay	1,945.96	
26 24 19 00-0329	EA	Control Relays, Teleductor	588.94	
26 24 19 00-0330	EA	Control Relays, Current Transducer	1,583.83	
26 24 19 00-0331	EA	Control Relays, Watt Transducer.....	3,167.66	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x.....	107.48	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	160.78	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	181.21	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	201.64	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	181.21	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	201.64	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	212.30	
26 24 19 00-0339		Circuit Breaker Modifications/Accessories <small>(26 24 19 00-0268)</small>		
26 24 19 00-0340	EA	Circuit Breaker, Shunt Trip.....	300.65	
26 24 19 00-0341	EA	Circuit Breaker, Auxiliary Switch	103.85	
26 24 19 00-0342	EA	Circuit Breaker, Key Interlock.....	373.51	
26 24 19 00-0343	EA	Circuit Breaker, GFR Ground Fault	1,721.85	
26 24 19 00-0344	EA	Circuit Breaker, Seltronic Breaker.....	997.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers <small>(26 24 19 00-0268)</small>		
26 24 19 00-0346 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100 929.09	929.09	48.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.34	29.34	
26 24 19 00-0347 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150 1,607.20	1,607.20	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0348 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 1,544.16	1,544.16	48.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.34	29.34	
26 24 19 00-0349 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 2,220.96	2,220.96	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0350 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 2,847.68	2,847.68	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0351 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 1,771.49	1,771.49	97.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 58.69	58.69	
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 2,861.28	2,861.28	105.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 63.21	63.21	
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 3,773.34	3,773.34	135.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 81.22	81.22	
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 4,450.01	4,450.01	206.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.17	124.17	
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 6,306.81	6,306.81	312.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 187.48	187.48	
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 13,761.28	13,761.28	413.78
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 248.06	248.06	
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 20,539.23	20,539.23	519.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 311.17	311.17	
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 34,204.46	34,204.46	601.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 361.43	361.43	
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 1,114.26	1,114.26	48.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.34	29.34	
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 1,787.18	1,787.18	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 1,114.26	1,114.26	48.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.34	29.34	
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 1,787.18	1,787.18	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 1,887.30	1,887.30	48.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 29.34	29.34	
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 2,586.12	2,586.12	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 3,205.06	3,205.06	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 1,697.84	1,697.84	75.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 45.14	45.14	
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 4,304.99	4,304.99	206.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.17	124.17	
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 4,304.99	4,304.99	206.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 124.17	124.17	
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 5,786.06	5,786.06	225.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 135.36	135.36	
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 7,220.86	7,220.86	263.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 157.92	157.92	
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 8,311.26	8,311.26	312.22
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 187.48	187.48	
26 24 19 00-0372 Incoming Line And Feeder Fusible Switches <small>(26 24 19 00-0268)</small>		
26 24 19 00-0373 EA Incoming Line And Feeder Fusible Switches, 30 Or 60 Amps 1,000.63	1,000.63	75.23
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual 1,529.26	1,529.26	75.23
26 24 19 00-0375 EA Incoming Line And Feeder Fusible Switches, 100 Amps 1,609.85	1,609.85	94.04
26 24 19 00-0376 EA Incoming Line And Feeder Fusible Switches, 200 Amps 2,607.00	2,607.00	112.85
26 24 19 00-0377 EA Incoming Line And Feeder Fusible Switches, 400 Amps 5,117.11	5,117.11	142.94
26 24 19 00-0378 EA Incoming Line And Feeder Fusible Switches, 600 Amps 7,174.21	7,174.21	188.09
26 24 19 00-0379 EA Incoming Line And Feeder Fusible Switches, 800 Amps 17,392.67	17,392.67	252.03
26 24 19 00-0380 EA Incoming Line And Feeder Fusible Switches, 1,200 Amps 19,641.09	19,641.09	349.84
26 24 19 00-0381 Dry Type Distribution Transformers <small>(26 24 19 00-0268)</small>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers 883.10	883.10	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers 911.59	911.59	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers 941.37	941.37	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers 1,079.92	1,079.92	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers 1,170.56	1,170.56	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers 1,292.09	1,292.09	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers 1,592.69	1,592.69	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers 1,794.69	1,794.69	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers 4,172.06	4,172.06	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers 2,214.22	2,214.22	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers 3,067.54	3,067.54	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers 4,780.65	4,780.65	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers 4,427.15	4,427.15	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers 6,135.08	6,135.08	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers 6,177.47	6,177.47	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	8,556.95	
26 24 19 00-0398 Metering Equipment (26 24 19 00-0268)		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	223.97	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	489.67	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	201.71	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	489.67	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	271.96	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	288.66	
26 24 19 00-0405 EA Add For Additional Circuits	66.23	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	1,009.95	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	1,057.94	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	932.74	
26 24 19 00-0409 EA Add For Demand Attachment	433.51	
26 24 19 00-0410 EA Metering Equipment, Current Transformer, 800 Amp	278.92	
26 24 19 00-0411 EA Metering Equipment, Current Transformer, 1,000 Amp	481.32	
26 24 19 00-0412 EA Metering Equipment, Current Transformer, 2,000 Amp	560.62	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	467.41	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester	502.89	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System	384.64	
26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)		
26 24 19 00-0417 EA Current Limiting Reactors, 600 Amps	15,982.55	
26 24 19 00-0418 EA Current Limiting Reactors, 800 Amps	23,275.24	
26 24 19 00-0419 EA Current Limiting Reactors, 1,000 Amps	30,584.77	
26 24 19 00-0420 EA Current Limiting Reactors, 1,200 Amps	46,555.67	
26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	399.00	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	399.00	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	551.61	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,009.45	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	551.61	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	704.22	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	704.22	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,007.61	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	704.22	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,007.61	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	856.84	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	2,778.29	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	856.84	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,007.61	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	2,778.29	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	2,778.29	
26 24 19 00-0438 EA Bus Duct Transition Pull Box	894.51	
26 24 19 00-0439 EA Throat And Transition To Substation	1,726.85	
26 24 19 00-0440 EA Service Entrance Label	373.97	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition	781.70	
26 24 19 00-0442 EA 600 Ampere Sub Feed Lugs On Main Bus	287.80	
26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width	246.95	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	246.95	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth	763.93	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth	861.65	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space	73.73	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof	198.98	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	41.75	
26 24 19 00-0451 EA Standard Structure 150 Watt Space	179.44	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control	350.42	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High	179.44	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC	226.39	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted	3,229.63	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back	3,732.98	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted	3,736.59	
26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amps	451.38	225.70
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amps	677.07	338.55
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amps	752.33	376.16
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amps	902.88	451.40
26 24 19 00-0463 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 600 Amps	75.23	37.62
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amps	451.38	225.70
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amps	677.07	338.55
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amps	752.33	376.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amps	902.88	451.40
26 24 19 00-0468 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 800 Amps	75.23	37.62
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amps.....	526.64	263.31
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amps.....	677.07	338.55
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amps.....	902.88	451.40
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amps.....	1,053.13	526.55
26 24 19 00-0473 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,200 Amps.....	112.85	56.43
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amps.....	601.87	300.93
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amps.....	827.63	413.78
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amps.....	1,053.13	526.55
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amps.....	1,203.52	601.79
26 24 19 00-0478 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 1,600 Amps.....	150.47	75.23
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amps.....	601.87	300.93
26 24 19 00-0480 EA Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amps.....	902.88	451.40
26 24 19 00-0481 EA Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amps.....	1,128.37	564.17
26 24 19 00-0482 EA Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amps.....	1,279.04	639.56
26 24 19 00-0483 EA Install Vertical Section, 230/480 Volt, Bolt To Floor, 2,000 Amps.....	150.47	75.23
26 24 19 00-0484 Motor Control Centers (26 24 19)		
26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0486 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	9,693.71	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	9,693.71	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	9,693.71	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	9,731.35	169.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.57	
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	10,337.67	188.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.85	
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	10,375.28	206.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.13	
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	10,412.89	225.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.41	
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	10,488.15	263.31
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	157.99	
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	10,563.38	300.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	180.56	
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	17,727.69	338.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	203.12	
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	19,032.34	376.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.70	
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	14,356.20	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	14,957.86	161.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.05	
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	16,990.59	176.80
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	106.08	
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	18,908.94	188.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.85	
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	20,577.71	218.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	130.91	
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	22,543.79	233.22
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	139.94	
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	24,508.70	248.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	148.95	
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	26,841.46	270.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162.51	
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	31,229.79	300.93
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	180.56	
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	33,833.08	319.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.86	
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	51,628.43	376.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	225.70	
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	55,012.75	413.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	248.29	
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	57,960.41	451.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.86	
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	63,111.85	489.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	293.46	
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	13,548.48	150.47
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.28	
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	13,586.12	169.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.57	
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	13,623.71	188.09
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.85	
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	13,661.32	206.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.13	
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	13,701.23	225.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.41	
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	13,738.88	244.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	146.71	

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 24 Switchboards And Panelboards



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,776.49 157.99	263.31
26 24	19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,926.92 203.12	338.55
26 24	19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,656.92 225.70	376.16
26 24	19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,732.22 248.29	413.78
26 24	19 00-0521	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,029.96 270.86	451.40
26 24	19 00-0522	EA	Add For Reversing Starters, 100 To 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,332.30 45.14	
26 24	19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,493.15 45.14	
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,394.28 45.14	
26 24	19 00-0525		4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small>		
26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,573.75 135.41	225.70
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,611.40 146.71	244.50
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,649.01 157.99	263.31
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,686.65 169.28	282.12
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,287.23 180.56	300.93
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,324.89 191.86	319.74
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,362.43 203.12	338.55
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,400.11 214.43	357.35
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,437.69 225.70	376.16
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,321.40 293.46	489.09
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,396.33 315.94	526.55
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,695.22 338.51	564.17
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,770.37 361.06	601.79
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,669.80 135.41	225.70
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,868.31 146.71	244.50
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,330.23 157.99	263.31
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,257.92 169.28	282.12
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,904.05 180.56	300.93
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,877.72 191.86	319.74
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,730.62 203.12	338.55
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,175.38 214.43	357.35
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,464.12 225.70	376.16
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,381.06 236.99	394.97
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37,335.62 259.57	432.59
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39,773.46 270.86	451.40
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42,073.30 282.12	470.21
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,287.98 293.46	489.09
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,721.15 361.06	601.79
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79,747.50 383.71	639.56
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95,821.91 406.24	677.09
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101,342.68 406.24	677.09
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,501.48 157.99	263.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0558 EA 4.8 KV CL 14-202, Synchronous Motor Control, 700 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,539.12 169.28	282.12
26 24 19 00-0559 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,576.71 180.56	300.93
26 24 19 00-0560 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,614.37 191.86	319.74
26 24 19 00-0561 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,862.92 203.12	338.55
26 24 19 00-0562 EA 4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,900.60 214.43	357.35
26 24 19 00-0563 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,938.18 225.70	376.16
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,975.81 236.99	394.97
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,013.48 248.29	413.78
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,238.98 315.94	526.55
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,129.82 338.51	564.17
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,422.87 361.06	601.79
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,422.87 361.06	601.79
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,443.04 45.14	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,700.46 45.14	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,343.19 45.14	
26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories (26 24 19 00-0484)		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amp.....	10,965.43	150.47
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amp.....	13,158.68	225.70
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant.....	4,341.19	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters.....	177.83	11.29
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused.....	1,257.68	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA.....	674.81	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max.....	2,009.71	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each.....	128.71	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each.....	426.58	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light.....	128.71	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light.....	389.81	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type.....	1,037.03	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type.....	1,037.03	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter.....	3,101.90	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout.....	2,138.42	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter.....	412.38	11.29
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection.....	2,984.06	37.62
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection.....	5,722.90	18.81
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection.....	1,604.81	18.81
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters.....	2,663.35	11.29
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism.....	3,849.42	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay.....	350.60	37.62
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay.....	257.33	37.62
26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers (26 24 19 00-0484)		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amp, 14,000 Amp IC, 3-Pole, With Structure Included.....	801.72	225.48
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amp, 22,000 Amp IC, 3-Pole, With Structure Included.....	1,393.03	399.12
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	1,673.45	511.03
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	2,680.58	822.92
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	3,144.81	905.21
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amp, 30,000 Amp IC, 3-Pole, With Structure Included.....	4,022.54	1,003.96
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 45,000 Amp IC, 3-Pole, With Structure Included.....	4,683.62	1,176.78
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amp, 100,000 Amp IC, 3-Pole, With Structure Included.....	7,939.26	1,370.99
26 24 19 00-0606 Main Lugs Only (26 24 19 00-0484)		
26 24 19 00-0607 EA 600 Amp Incoming Section, Main Lugs.....	660.67	288.02
26 24 19 00-0608 EA 800 Amp Incoming Section, Main Lugs.....	718.93	288.02
26 24 19 00-0609 EA 1,200 Amp Incoming Section, Main Lugs.....	1,014.37	452.61
26 24 19 00-0610 EA 2,000 Amp Incoming Section, Main Lugs.....	2,419.19	822.92
26 24 19 00-0611 EA 3,000 Amp Incoming Section, Main Lugs.....	3,668.83	1,193.24
26 24 19 00-0612 EA 4,000 Amp Incoming Section, Main Lugs.....	5,218.80	1,645.84
26 24 19 00-0613 Incoming Main Circuit Breaker Structure (26 24 19 00-0484)		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614	EA		225 Amp, Main Circuit Breaker Section	4,080.72	398.21
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0615	EA		400 Amp, Main Circuit Breaker Section	8,575.67	511.53
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0616	EA		600 Amp, Main Circuit Breaker Section	8,973.15	796.76
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0617	EA		800 Amp, Main Circuit Breaker Section	12,662.40	796.76
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0618	EA		1,200 Amp, Main Circuit Breaker Section	18,261.97	901.51
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0619			Incoming Fusible Main Disconnect Section <small>(26 24 19 00-0484)</small>		
			Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA		200 Amp, Fusible Main Disconnect Section	3,557.08	398.71
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0621	EA		400 Amp, Fusible Main Disconnect Section	4,901.29	511.77
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0622	EA		600 Amp, Fusible Main Disconnect Section	9,522.66	797.41
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0623	EA		800 Amp, Fusible Main Disconnect Section	11,036.06	797.41
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0624	EA		1,200 Amp, Fusible Main Disconnect Section	15,485.58	902.33
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For NEMA 1 With Gaskets, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 20" Cabinet Depth, Add</i>	108.00	
26 24 19 00-0625			Circuit Breaker Combination Starters <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626			Class I, Type A <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter	660.47	167.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.25	
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter	765.70	167.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.50	
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter	1,106.02	237.00
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.89	
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter	1,779.42	311.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.03	
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter	3,138.11	390.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	233.79	
26 24 19 00-0632			Class I, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA		Size 1, Class I, Type B Circuit Breaker Combination Starter	621.23	145.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	722.94 92.67	145.66
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,055.08 126.60	210.66
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,727.47 171.44	285.55
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,096.20 221.21	364.55
26 24 19 00-0638 Class I, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	648.52 74.54	134.96
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	757.76 87.55	134.96
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,121.29 121.02	201.61
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,798.36 167.26	278.97
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,160.52 214.30	357.97
26 24 19 00-0644 Class II, Type B <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	671.06 113.04	199.97
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	910.72 126.22	199.97
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,279.90 159.48	266.63
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,059.53 205.73	341.51
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,648.40 250.89	417.22
26 24 19 00-0650 Class II, Type C <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	819.27 108.28	189.28
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	937.29 118.24	189.28
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,350.00 154.68	258.40
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,124.38 199.74	333.28
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,724.41 247.87	411.46
26 24 19 00-0656 Fused Disconnect Combination Starter <small>(26 24 19 00-0484)</small>		
26 24 19 00-0657 Class I, Type A <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	606.16 92.67	153.89
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	905.65 126.22	210.66
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,417.19 164.59	274.04
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,942.39 231.16	384.31
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,334.28 293.90	489.64
26 24 19 00-0663 Class I, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	609.84 82.29	137.43
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	822.68 113.04	188.44
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,207.36 151.27	251.82
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,998.58 218.86	363.73
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,379.04 278.02	462.48
26 24 19 00-0669 Class I, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.21 77.05	128.38
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	860.42 105.50	174.46

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 24 Switchboards And Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672	EA		Size 3, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,301.55 146.95	242.76
26 24 19 00-0673	EA		Size 4, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,091.99 214.30	357.97
26 24 19 00-0674	EA		Size 5, Class I, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,203.54 274.31	457.54
26 24 19 00-0675			Class II, Type B <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676	EA		Size 1, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	776.50 115.58	192.56
26 24 19 00-0677	EA		Size 2, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	999.76 143.87	240.29
26 24 19 00-0678	EA		Size 3, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,435.26 185.34	309.42
26 24 19 00-0679	EA		Size 4, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,305.41 250.89	417.22
26 24 19 00-0680	EA		Size 5, Class II, Type B Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,880.08 311.71	520.91
26 24 19 00-0681			Class II, Type C <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682	EA		Size 1, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.01 108.28	181.04
26 24 19 00-0683	EA		Size 2, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,037.22 136.25	227.12
26 24 19 00-0684	EA		Size 3, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,511.52 177.35	295.43
26 24 19 00-0685	EA		Size 4, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,388.40 244.92	407.35
26 24 19 00-0686	EA		Size 5, Class II, Type C Fused Disconnect Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,958.14 302.54	504.45
26 24 19 00-0687			Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688			Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA		Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	190.01	55.96
26 24 19 00-0690	EA		Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	190.01	55.96
26 24 19 00-0691	EA		Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	281.91	81.47
26 24 19 00-0692	EA		Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	338.01	106.98
26 24 19 00-0693	EA		Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	561.78	162.94
26 24 19 00-0694			Fused Disconnect Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695	EA		Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	190.01	55.96
26 24 19 00-0696	EA		Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	254.36	81.47
26 24 19 00-0697	EA		Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	351.49	106.98
26 24 19 00-0698	EA		Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	599.40	162.94
26 24 19 00-0699	EA		Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	838.79	237.00
26 24 19 00-0700			Blank Space For Future Expansion <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.					
26 24 19 00-0701	EA		Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0702	EA		Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	78.50	
26 24 19 00-0703	EA		Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0704	EA		Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs.....	119.02	
26 24 19 00-0705	EA		Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs.....	236.77	
26 24 19 00-0706			Structure Combination Of Starters To 72" High <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707	EA		Structure Combination Of Starters To 72" High	2,142.36	433.11
26 24 19 00-0708			Motor Control Center Basic Distribution Section <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709	EA		20" Wide Basic Section With Vertical Wireway	3,719.78	1,127.89
			<i>For 20" Cabinet Depth, Add</i>	108.00	
			<i>For 800 Amp Tin Plated Copper Bus, Add</i>	182.00	
			<i>For 1,200 Amp Tin Plated Copper Bus, Add</i>	334.00	
			<i>For 1,600 Amp Tin Plated Copper Bus, Add</i>	402.00	
			<i>For 2,000 Amp Tin Plated Copper Bus, Add</i>	506.00	
			<i>For NEMA 1 With Gasket, Add</i>	97.00	
			<i>For NEMA 12, Add</i>	245.00	
			<i>For 600 Amp Tin Plated Copper Vertical, Add</i>	210.00	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710 EA 25"-35" Wide Basic Section (No Vertical Wireway).....	3,719.78	1,127.89
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway	4,064.75	1,127.89
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712 EA Corner Section.....	4,064.75	1,127.89
For 20" Cabinet Depth, Add	108.00	
For 800 Amp Tin Plated Copper Bus, Add	182.00	
For 1,200 Amp Tin Plated Copper Bus, Add	334.00	
For 1,600 Amp Tin Plated Copper Bus, Add	402.00	
For 2,000 Amp Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amp Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484)		
Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	917.04	158.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.04	
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,020.49	175.70
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.41	
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	1,744.69	236.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	141.72	
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	2,519.43	311.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	186.86	
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	5,628.41	389.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.52	
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	12,977.35	389.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.52	
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	917.64	137.02
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.21	
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,034.85	154.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.57	
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	1,772.75	210.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.40	
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	2,511.69	285.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	171.35	
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	5,631.36	368.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.21	
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	13,059.38	368.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	221.21	
26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker (26 24 19 00-0713)		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,448.87	198.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	118.92	
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,768.99	219.30
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	131.60	
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,891.40	294.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	176.85	
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,932.05	389.66
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	233.79	
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,829.49	487.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	292.51	
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,460.73	171.17
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.69	
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	1,795.45	192.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.80	
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,930.55	263.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	158.26	
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	4,933.05	357.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	214.30	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,842.96	461.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	276.77	
26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker (26 24 19 00-0713)		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 24	Switchboards And Panelboards



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,580.76 118.92	198.25
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,227.08 131.60	219.30
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,160.18 176.85	294.77
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,660.96 233.79	389.66
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,243.07 292.51	487.50
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,592.62 102.69	171.17
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,253.55 115.80	192.98
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,199.32 158.26	263.74
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,661.95 214.30	357.14
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,256.54 276.77	461.25
26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect <small>(26 24 19 00-0484)</small> Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0750 FVNR Starters With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	749.42	154.46
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	979.95	209.92
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	1,606.66	273.54
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	2,682.05	385.29
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	5,287.18	489.80
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	13,133.73	489.80
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	757.24	136.94
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	993.35	188.03
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	1,642.89	252.15
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	2,685.02	364.80
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	5,278.19	463.38
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	13,203.87	463.38
26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,265.09	193.39
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,760.18	262.43
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,702.28	341.76
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,581.12	482.97
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,001.56	565.18
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,286.05	171.17
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	1,784.21	234.86
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,750.97	315.51
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	5,591.51	455.16
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,003.07	533.01
26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,463.81	193.39
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,225.32	262.43
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,984.24	341.76
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,848.42	482.97
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,924.50	565.18
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	1,485.35	171.17
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,249.34	234.86
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	4,032.94	315.51
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	5,858.80	455.16
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,926.02	533.01
26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit <small>(26 24 19 00-0484)</small> Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amp Horizontal Tin Plated Copper Bus Kit	154.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 24 19 00-0787 EA 800 Amp Horizontal Tin Plated Copper Bus Kit	188.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 24 19 00-0788 EA 1,200 Amp Horizontal Tin Plated Copper Bus Kit	226.37	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	
26 24 19 00-0789 EA 1,600 Amp Horizontal Tin Plated Copper Bus Kit	293.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.42	
26 24 19 00-0790 EA 2,000 Amp Horizontal Tin Plated Copper Bus Kit	489.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	89.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.94	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0792		Disconnect Switch For Motor Control Centers (26 24 19 00-0484)		
26 24 19 00-0793		3 Pole Circuit Breaker Disconnect For Motor Control Center (26 24 19 00-0792)		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA	150 Amp Rating, 15 To 100 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	668.50	118.91
26 24 19 00-0795	EA	150 Amp Rating, 125 To 150 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,171.49	131.67
26 24 19 00-0796	EA	225 Amp Rating, 70 To 225 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,428.84	177.34
26 24 19 00-0797	EA	400 Amp Rating, 125 To 400 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,372.19	233.71
26 24 19 00-0798	EA	600 Amp Rating, 300 To 600 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,100.87	292.14
26 24 19 00-0799	EA	800 Amp Rating, 400 To 800 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,678.95	292.14
26 24 19 00-0800	EA	1,200 Amp Rating, 600 To 1,200 Amp Trip Range, 3 Pole Circuit Breaker Disconnect.....	9,644.49	365.78
26 24 19 00-0801		Fusible Disconnect Switch For Motor Control Center (26 24 19 00-0792)		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA	30 Amp Switch Rating, Fusible Disconnect Switch With 30 Amp Fuse Clips.....	521.39	115.62
26 24 19 00-0803	EA	60 Amp Switch Rating, Fusible Disconnect Switch With 60 Amp Fuse Clips.....	622.94	157.59
26 24 19 00-0804	EA	100 Amp Switch Rating, Fusible Disconnect Switch With 100 Amp Fuse Clips.....	848.15	201.61
26 24 19 00-0805	EA	200 Amp Switch Rating, Fusible Disconnect Switch With 200 Amp Fuse Clips.....	1,547.56	288.84
26 24 19 00-0806	EA	400 Amp Switch Rating, Fusible Disconnect Switch With 400 Amp Fuse Clips.....	2,692.88	367.35
26 24 19 00-0807	EA	600 Amp Switch Rating, Fusible Disconnect Switch With 600 Amp Fuse Clips.....	5,998.91	367.35
26 24 19 00-0808	EA	800 Amp Switch Rating, Fusible Disconnect Switch With 800 Amp Fuse Clips.....	7,417.95	459.20
26 24 19 00-0809	EA	1,200 Amp Switch Rating, Fusible Disconnect Switch With 1,200 Amp Fuse Clips.....	10,878.74	459.20
26 24 19 00-0810		Control Circuit Transformer (26 24 19 00-0484)		
26 24 19 00-0811	EA	Control Circuit Transformer, Size 1 Factory Installed	41.88	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 2 Factory Installed	41.88	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 3 Factory Installed	80.66	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 4 Factory Installed	80.66	
26 24 19 00-0815	EA	Control Circuit Transformer, Size 5 Factory Installed	112.05	
26 24 19 00-0816	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	34.97	9.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.18	
26 24 19 00-0817		Cover Mounted Control Devices (26 24 19 00-0484)		
26 24 19 00-0818	EA	Control Device, 2 Unit Push Button Station Cover Mounted.....	76.17	16.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.29	
26 24 19 00-0819	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted.....	86.29	16.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.86	
26 24 19 00-0820	EA	Control Device, Pilot Light Cover Mounted	70.67	16.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.71	
26 24 19 00-0821	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	199.28	55.96
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.73	
26 24 19 00-0822	EA	Auxiliary Contact Add Per Starter	222.92	21.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.79	
26 24 19 00-0823		Extra Interlocks (26 24 19 00-0484)		
		Note: Per contact.		
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type A Per Contact.....	50.21	10.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.71	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type B Per Contact.....	67.71	10.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.71	
26 24 19 00-0826	EA	Extra Interlocks, Class I, Type C Per Contact.....	73.95	10.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.43	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type B Per Contact.....	66.17	10.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.15	
26 24 19 00-0828	EA	Extra Interlocks, Class II, Type C Per Contact.....	68.97	10.69
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.88	
26 24 19 00-0829		Special Cabinet Provisions (26 24 19 00-0484)		
26 24 19 00-0830	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions.....	524.27	
26 24 19 00-0831		Nameplate Requirements (26 24 19 00-0484)		
26 24 19 00-0832	EA	Special Cabinet Nameplate Requirements	18.61	
26 24 19 00-0833		Auxiliary Relays (26 24 19 00-0484)		
26 24 19 00-0834	EA	Industrial Control Relay, 10 Amp Class A600 With 2 Contacts.....	110.15	20.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.36	
26 24 19 00-0835	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	104.55	18.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.36	
26 24 19 00-0836	EA	General Purpose Control Relay, 240 Volt AC, 10 Amp, With Base	62.75	18.54
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.36	



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

26 24 19 00-0837 Motor Control Center Accessories (26 24 19 00-0484)

26 24 19 00-0838 Lighting Transformer With Circuit Breaker (26 24 19 00-0837)

Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.

26 24 19 00-0839	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,136.89	264.55
26 24 19 00-0840	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,261.46	275.14
26 24 19 00-0841	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	3,566.62	296.30
26 24 19 00-0842	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,462.41	317.46
26 24 19 00-0843	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,966.07	338.63
26 24 19 00-0844	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,315.31	380.95
26 24 19 00-0845	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,582.28	423.29
26 24 19 00-0846	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,636.09	349.21
26 24 19 00-0847	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,123.92	380.95
26 24 19 00-0848	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,999.27	423.29
26 24 19 00-0849	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,431.85	465.61
26 24 19 00-0850	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,945.88	507.94
26 24 19 00-0851	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,240.59	550.27

26 24 19 00-0852 Bolt-On Lighting Panel (26 24 19 00-0837)

Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.

26 24 19 00-0853	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,425.24	428.25
26 24 19 00-0854	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,246.96	745.40
26 24 19 00-0855	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,991.79	1,008.49
26 24 19 00-0856	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,495.46	463.38
26 24 19 00-0857	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,215.24	729.52
26 24 19 00-0858	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,117.85	1,071.53
26 24 19 00-0859	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	2,333.37	496.72
26 24 19 00-0860	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,150.22	797.41
26 24 19 00-0861	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,960.19	1,071.53
26 24 19 00-0862	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	2,411.50	535.72
26 24 19 00-0863	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,150.22	797.41
26 24 19 00-0864	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,029.32	1,106.09

26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker (26 24 19 00-0837)

Note: For MCC lighting panel only.

26 24 19 00-0866	EA	15 A / 1 Pole - 30 A / 1 Pole Bolt-On Branch Circuit Breaker.....	17.27	
26 24 19 00-0867	EA	15 A / 1 Pole - 30 A / 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	161.57	
26 24 19 00-0868	EA	15 A / 2 Pole - 50 A / 2 Pole Bolt-On Branch Circuit Breaker.....	33.76	
26 24 19 00-0869	EA	60 A / 2 Pole - 100 A / 2 Pole Bolt-On Branch Circuit Breaker.....	77.73	
26 24 19 00-0870	EA	15 A / 3 Pole - 50 A / 3 Pole Bolt-On Branch Circuit Breaker.....	91.08	
26 24 19 00-0871	EA	60 A / 3 Pole - 100 A / 3 Pole Bolt-On Branch Circuit Breaker.....	138.18	

26 24 19 00-0872 Blank Unit Door (BUD) (26 24 19 00-0837)

Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.

26 24 19 00-0873	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	43.09	
26 24 19 00-0874	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	51.70	
26 24 19 00-0875	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	77.55	
26 24 19 00-0876	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	103.41	
26 24 19 00-0877	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	155.11	
26 24 19 00-0878	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	180.96	
26 24 19 00-0879	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	206.81	

26 25 Enclosed Bus Assemblies (26 20)

26 25 00 00-0001 Bus Ducts (26 25)

26 25 00 00-0002 Plug-In Bus Duct (26 25 00 00-0001)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

26 25 00 00-0003 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0002)

26 25 00 00-0004	LF	225 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	234.01	24.69
		For Up To 25, Add	58.50	
		For >25 To 50, Add	35.10	
		For >50 To 100, Add	17.55	
26 25 00 00-0005	LF	400 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	333.88	24.69
		For Up To 25, Add	83.47	
		For >25 To 50, Add	50.08	
		For >50 To 100, Add	25.04	
26 25 00 00-0006	LF	600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	424.07	32.91
		For Up To 25, Add	106.02	
		For >25 To 50, Add	63.61	
		For >50 To 100, Add	31.81	
26 25 00 00-0007	LF	800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	588.58	32.91
		For Up To 25, Add	147.15	
		For >25 To 50, Add	88.29	
		For >50 To 100, Add	44.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0008 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	620.72 155.18 93.11 46.55	41.14
26 25 00 00-0009 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	868.36 217.09 130.25 65.13	41.14
26 25 00 00-0010 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	1,018.03 254.51 152.70 76.35	43.21
26 25 00 00-0011 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	1,242.18 310.55 186.33 93.16	44.44
26 25 00 00-0012 LF 2,500 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	1,535.58 383.90 230.34 115.17	46.91
26 25 00 00-0013 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	1,772.89 443.22 265.93 132.97	54.72
26 25 00 00-0014 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	2,052.88 513.22 307.93 153.97	59.66
26 25 00 00-0015 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0002)		
26 25 00 00-0016 LF 225 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	388.91 97.23 58.34 29.17	24.69
26 25 00 00-0017 LF 400 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	563.84 140.96 84.58 42.29	24.69
26 25 00 00-0018 LF 600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	637.54 159.39 95.63 47.82	32.91
26 25 00 00-0019 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	812.23 203.06 121.83 60.92	32.91
26 25 00 00-0020 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	992.25 248.06 148.84 74.42	41.14
26 25 00 00-0021 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	1,288.51 322.13 193.28 96.64	41.14
26 25 00 00-0022 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	1,667.91 416.98 250.19 125.09	42.63
26 25 00 00-0023 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	2,011.01 502.75 301.65 150.83	44.44
26 25 00 00-0024 LF 2,500 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	2,496.70 624.18 374.51 187.25	46.49
26 25 00 00-0025 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	2,881.91 720.48 432.29 216.14	54.72
26 25 00 00-0026 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors <i>For Up To 25, Add</i> <i>For >25 To 50, Add</i> <i>For >50 To 100, Add</i>	3,341.91 835.48 501.29 250.64	59.66
26 25 00 00-0027 Cable Tap Boxes (26 25 00 00-0002)		
26 25 00 00-0028 600 Volt, 3-Phase, 3-Wire, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0029 EA 225 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	1,958.25	115.21
26 25 00 00-0030 EA 400 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,015.91	115.21
26 25 00 00-0031 EA 600 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,174.47	156.35
26 25 00 00-0032 EA 800 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,308.60	156.35
26 25 00 00-0033 EA 1,000 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,471.95	205.73

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 25 Enclosed Bus Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0034	EA		1,350 Amp Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,706.83	205.73
26 25 00 00-0035			277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors (26 25 00 00-0027)		
26 25 00 00-0036	EA		225 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,015.91	226.30
26 25 00 00-0037	EA		400 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,183.91	226.30
26 25 00 00-0038	EA		600 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,326.65	308.60
26 25 00 00-0039	EA		800 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,613.26	308.60
26 25 00 00-0040	EA		1,000 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,741.57	411.46
26 25 00 00-0041	EA		1,350 Amp Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,121.45	411.46
26 25 00 00-0042			Bus Duct Plug-In Circuit Breaker (26 25 00 00-0002)		
26 25 00 00-0043			240 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0044	EA		60 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	870.83	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.02	
26 25 00 00-0045	EA		100 Amp Bus Duct Circuit Breaker 240 Volt, 3 Phase Plug-in Circuit Breaker	1,755.13	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.79	
26 25 00 00-0046			600 Volt, 3-Phase (26 25 00 00-0042)		
26 25 00 00-0047	EA		60 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	1,712.56	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.02	
26 25 00 00-0048	EA		100 Amp Bus Duct Circuit Breaker 600 Volt, 3 Phase Plug-in Circuit Breaker	2,218.53	82.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.79	
26 25 00 00-0049			120/208 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0050	EA		60 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,003.10	98.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.44	
26 25 00 00-0051	EA		100 Amp Bus Duct Circuit Breaker 120/208 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,196.31	98.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.29	
26 25 00 00-0052			277/480 Volt, 3-Phase, 4-Wire (26 25 00 00-0042)		
26 25 00 00-0053	EA		60 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,153.46	98.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.44	
26 25 00 00-0054	EA		100 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	1,785.06	98.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.29	
26 25 00 00-0055	EA		225 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	2,569.16	341.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.01	
26 25 00 00-0056	EA		400 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,154.58	341.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.46	
26 25 00 00-0057	EA		600 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	6,813.38	987.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	447.24	
26 25 00 00-0058	EA		800 Amp Bus Duct Circuit Breaker 277/480 Volt, 3 Phase, 4 Wire Plug-in Circuit Breaker	8,359.34	987.51
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	791.27	
26 25 00 00-0059			Bus Duct Plug-In Fusible Switch (26 25 00 00-0002)		
26 25 00 00-0060			240 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0061	EA		30 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	868.76	82.30
26 25 00 00-0062	EA		60 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	950.56	82.30
26 25 00 00-0063	EA		100 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,318.70	98.75
26 25 00 00-0064	EA		200 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,221.24	197.51
26 25 00 00-0065	EA		400 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,643.35	444.38
26 25 00 00-0066	EA		600 Amp Bus Duct Fusible Switch 240 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,380.02	773.54
26 25 00 00-0067			600 Volt, 3-Pole, 3-Fuse (26 25 00 00-0059)		
26 25 00 00-0068	EA		30 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	907.71	90.52
26 25 00 00-0069	EA		60 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	987.22	90.52
26 25 00 00-0070	EA		100 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	1,333.10	90.52
26 25 00 00-0071	EA		200 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	2,282.03	189.28
26 25 00 00-0072	EA		400 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	5,621.37	427.91
26 25 00 00-0073	EA		600 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	8,535.88	822.92
26 25 00 00-0074	EA		800 Amp Bus Duct Fusible Switch 600 Volt, 3 Phase Plug-in Fusible Switch, 3 Fuses	14,128.37	1,069.80
26 25 00 00-0075			120/208 Volt, 4-pole, 3 Fuse (26 25 00 00-0059)		
26 25 00 00-0076	EA		30 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,006.98	106.98
26 25 00 00-0077	EA		60 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,075.98	106.98
26 25 00 00-0078	EA		100 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	1,455.47	106.98
26 25 00 00-0079	EA		200 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	2,468.96	222.19
26 25 00 00-0080	EA		400 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	6,182.62	493.75
26 25 00 00-0081	EA		600 Amp Bus Duct Fusible Switch 120/208 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses	8,985.05	757.09
26 25 00 00-0082			277/480 Volt, 4-pole, 3-Fuse (26 25 00 00-0059)		



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Enclosed Bus Assemblies	26 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0083 EA 30 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,041.55	106.98
26 25 00 00-0084 EA 60 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,110.56	90.76
26 25 00 00-0085 EA 100 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	1,556.11	123.44
26 25 00 00-0086 EA 200 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	2,576.23	222.19
26 25 00 00-0087 EA 400 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	6,182.62	493.75
26 25 00 00-0088 EA 600 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	8,985.05	757.09
26 25 00 00-0089 EA 800 Amp Bus Duct Fusible Switch 277/480 Volt, 4 Phase Plug-in Fusible Switch, 3 Fuses.....	14,321.29	1,003.96
 26 25 00 00-0090 Feeder Bus Duct <small>(26 25 00 00-0001)</small>		
<small>Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.</small>		
 26 25 00 00-0091 600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance <small>(26 25 00 00-0090)</small>		
<small>Note: Copper conductors.</small>		
26 25 00 00-0092 LF 800 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	711.91	34.56
For Up To 25, Add	177.98	
For >25 To 50, Add	106.79	
For >50 To 100, Add	53.39	
26 25 00 00-0093 LF 1,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	720.71	34.56
For Up To 25, Add	180.18	
For >25 To 50, Add	108.11	
For >50 To 100, Add	54.05	
26 25 00 00-0094 LF 1,350 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	946.19	34.56
For Up To 25, Add	236.55	
For >25 To 50, Add	141.93	
For >50 To 100, Add	70.96	
26 25 00 00-0095 LF 1,600 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,138.25	34.56
For Up To 25, Add	284.56	
For >25 To 50, Add	170.74	
For >50 To 100, Add	85.37	
26 25 00 00-0096 LF 2,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,392.50	34.56
For Up To 25, Add	348.13	
For >25 To 50, Add	208.88	
For >50 To 100, Add	104.44	
26 25 00 00-0097 LF 3,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	1,899.51	82.30
For Up To 25, Add	474.88	
For >25 To 50, Add	284.93	
For >50 To 100, Add	142.46	
26 25 00 00-0098 LF 4,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	2,629.41	82.30
For Up To 25, Add	657.35	
For >25 To 50, Add	394.41	
For >50 To 100, Add	197.21	
26 25 00 00-0099 LF 5,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,110.77	82.30
For Up To 25, Add	777.69	
For >25 To 50, Add	466.62	
For >50 To 100, Add	233.31	
26 25 00 00-0100 LF 6,000 Amp Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors, With Supports.....	3,834.59	82.30
For Up To 25, Add	958.65	
For >25 To 50, Add	575.19	
For >50 To 100, Add	287.59	
 26 25 00 00-0101 277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated <small>(26 25 00 00-0090)</small>		
<small>Note: Low impedance, copper conductors.</small>		
26 25 00 00-0102 LF 800 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	818.04	37.03
For Up To 25, Add	204.51	
For >25 To 50, Add	122.71	
For >50 To 100, Add	61.35	
26 25 00 00-0103 LF 1,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	829.37	37.03
For Up To 25, Add	207.34	
For >25 To 50, Add	124.41	
For >50 To 100, Add	62.20	
26 25 00 00-0104 LF 1,350 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,069.89	37.03
For Up To 25, Add	267.47	
For >25 To 50, Add	160.48	
For >50 To 100, Add	80.24	
26 25 00 00-0105 LF 1,600 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,268.51	37.03
For Up To 25, Add	317.13	
For >25 To 50, Add	190.28	
For >50 To 100, Add	95.14	
26 25 00 00-0106 LF 2,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	1,533.35	37.03
For Up To 25, Add	383.34	
For >25 To 50, Add	230.00	
For >50 To 100, Add	115.00	
26 25 00 00-0107 LF 3,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,359.58	63.36
For Up To 25, Add	589.90	
For >25 To 50, Add	353.94	
For >50 To 100, Add	176.97	
26 25 00 00-0108 LF 4,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports.....	2,959.96	63.36
For Up To 25, Add	739.99	
For >25 To 50, Add	443.99	
For >50 To 100, Add	222.00	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 00 00-0109	LF		5,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	3,501.67	117.68
			<i>For Up To 25, Add</i>	875.42	
			<i>For >25 To 50, Add</i>	525.25	
			<i>For >50 To 100, Add</i>	262.63	
26 25 00 00-0110	LF		6,000 Amp Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, With Supports	4,322.55	117.68
			<i>For Up To 25, Add</i>	1,080.64	
			<i>For >25 To 50, Add</i>	648.38	
			<i>For >50 To 100, Add</i>	324.19	

26 26 Power Distribution Units (26 20)

Note: Includes wiring connections and testing.

26 26 00 00-0001	Liebert Precision Power Center <small>(26 26)</small>				
	Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.				
26 26 00 00-0002	EA	PDU 15 KVA 480-208/120 (Liebert PPA01C)	10,306.69	329.17	
26 26 00 00-0003	EA	PDU 15 KVA 208-208/120 (Liebert PPC015C)	9,968.02	329.17	
26 26 00 00-0004	EA	PDU 30 KVA 480-208/120 (Liebert PPA030C)	11,548.48	329.17	
26 26 00 00-0005	EA	PDU 30 KVA 208-208/120 (Liebert PPC030C)	11,943.60	329.17	
26 26 00 00-0006	EA	PDU 50 KVA 480-208/120 (Liebert PPA050C)	12,978.42	329.17	
26 26 00 00-0007	EA	PDU 50 KVA 208-208/120 (Liebert PPC050C)	13,531.21	329.17	
26 26 00 00-0008	EA	PDU 75 KVA 480-208/120 (Liebert PPA075C)	14,257.85	329.17	
26 26 00 00-0009	EA	PDU 75 KVA 208-208/120 (Liebert PPC075C)	15,499.64	329.17	
26 26 00 00-0010	EA	PDU 100 KVA 480-208/120 (Liebert PPA100C)	15,367.93	329.17	
26 26 00 00-0011	EA	PDU 100 KVA 208-208/120 (Liebert PPC100C)	16,779.06	329.17	
26 26 00 00-0012	EA	PDU 125 KVA 480-208/120 (Liebert PPA125C)	17,117.73	329.17	
26 26 00 00-0013	EA	PDU 125 KVA 208-208/120 (Liebert PPC125C)	18,698.20	329.17	
26 26 00 00-0014	EA	PDU 150 KVA 480-208/120 (Liebert PPA150C)	20,617.33	329.17	
26 26 00 00-0015	EA	PDU 150 KVA 208-208/120 (Liebert PPC150C)	21,464.01	329.17	
26 26 00 00-0016	EA	PDU 200 KVA 480-208/120 (Liebert PPA200C)	22,461.21	329.17	
26 26 00 00-0017	EA	PDU 225 KVA 480-208/120 (Liebert PPA225C)	23,627.74	329.17	
26 26 00 00-0018	EA	Ex Panelboard 10-30 KVA	905.89	82.30	
26 26 00 00-0019	EA	Ex Panelboard 50-125 KVA	1,301.01	82.30	
26 26 00 00-0020	EA	Ex Panelboard 150-220 KVA	2,881.47	82.30	
26 26 00 00-0021	EA	Remove And Reinstall, Power Distribution Unit	1,316.26		
	Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.				
26 26 00 00-0022	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	956.45		

26 27 Low-Voltage Distribution Equipment (26 20)**26 27 13 Electricity Metering (26 27)**

26 27 13 00-0001	Revenue Metering <small>(26 27 13)</small>				
26 27 13 00-0002	Meter Socket Base <small>(26 27 13 00-0001)</small>				
26 27 13 00-0003	EA	100 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	165.93	53.49	
26 27 13 00-0004	EA	100 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	174.71	53.49	
26 27 13 00-0005	EA	200 Amp, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	228.23	65.84	
26 27 13 00-0006	EA	200 Amp, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	230.73	65.84	
26 27 13 00-0007	EA	200 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	422.27	74.07	
26 27 13 00-0008	EA	320 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	554.31	82.30	
26 27 13 00-0009	EA	400 Amp, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass, And Jaw Release	1,319.23	90.52	
26 27 13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15-30 A, 13 Terminal, Underground, With Test Switch And Transformer - Socket Base	1,652.24	411.46	
26 27 13 00-0011	Meter Device <small>(26 27 13 00-0001)</small>				
	Note: Direct read, with 15 minute demand.				
26 27 13 00-0012	EA	100 To 200 Amp, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	151.91	16.46	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				10.12
26 27 13 00-0013	EA	200 Amp, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	414.34	16.48	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>				10.30
26 27 13 00-0014	Current Transformer Enclosure <small>(26 27 13 00-0001)</small>				
26 27 13 00-0015	EA	Current Transformer Cover, Screwed, 18" x 24" x 9", NEMA 3R	349.78	106.98	
26 27 13 00-0016	120/240 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>				
26 27 13 00-0017	800 Amp Bus, 4 Jaw Sockets, 125 Amp Max., 2 Pole <small>(26 27 13 00-0016)</small>				
26 27 13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	585.75	51.44	
26 27 13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	768.24	61.72	
26 27 13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	949.76	72.00	
26 27 13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,100.06	82.30	
26 27 13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,425.52	92.58	
26 27 13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,540.77	102.86	
26 27 13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 125 Amp Max	1,799.70	123.44	
26 27 13 00-0025	1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max., 2 Pole <small>(26 27 13 00-0016)</small>				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0026 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,059.18	51.44
26 27 13 00-0027 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,392.20	61.72
26 27 13 00-0028 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	1,916.25	82.30
26 27 13 00-0029 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,126.18	92.58
26 27 13 00-0030 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 200 Amp Max	2,667.51	102.86
 26 27 13 00-0031 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0032 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.90	72.00
26 27 13 00-0033 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.23	82.30
26 27 13 00-0034 EA 5 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,425.52	92.58
26 27 13 00-0035 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.33	102.86
26 27 13 00-0036 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,101.04	113.16
26 27 13 00-0037 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.84	123.44
26 27 13 00-0038 EA 10 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 Al	2,730.86	144.01
 26 27 13 00-0039 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0016)</small>		
26 27 13 00-0040 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.42	72.00
26 27 13 00-0041 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.67	82.30
26 27 13 00-0042 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.55	102.86
26 27 13 00-0043 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,688.08	113.16
26 27 13 00-0044 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.23	123.44
 26 27 13 00-0045 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0046 800 Amp Bus, 5 Jaw Sockets, 125 A Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	640.41	61.72
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	833.30	72.00
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,025.26	82.30
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,188.81	92.58
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,455.56	102.86
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,570.81	113.16
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 125 Amp Max	1,933.89	133.72
 26 27 13 00-0054 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.62	61.72
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.58	72.00
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,116.71	92.58
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,326.65	102.86
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,811.20	113.16
 26 27 13 00-0060 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.58	82.30
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.70	92.58
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,512.39	102.86
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.21	113.16
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.87	123.44
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.63	133.72
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,874.56	154.30
 26 27 13 00-0068 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.36	82.30
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,880.02	92.58
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,688.11	113.16
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.82	123.44
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.46	133.72
 26 27 13 00-0074 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
26 27 13 00-0075 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	585.75	51.44
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	768.24	61.72
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,100.06	82.30
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,425.52	92.58
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,758.54	102.86
 26 27 13 00-0081 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,059.17	51.44
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	1,392.20	61.72
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,010.91	82.30
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,220.86	92.58
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 10,000 AIC	2,667.51	102.86

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 27 13 00-0087		800 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>			
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	893.90		72.00
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,168.23		82.30
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,673.33		102.86
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,101.04		113.16
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 800 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,206.84		123.44
26 27 13 00-0093		1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0074)</small>			
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,365.43		72.00
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	1,783.67		82.30
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,506.55		102.86
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	2,688.08		113.16
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 1,200 Amp Bus, 4 Jaw Sockets, 42,000 AIC	3,428.26		123.44
26 27 13 00-0099		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>			
26 27 13 00-0100		800 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0101	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	640.41		61.72
26 27 13 00-0102	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	833.30		72.00
26 27 13 00-0103	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,188.81		92.58
26 27 13 00-0104	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,550.24		102.86
26 27 13 00-0105	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,760.18		113.16
26 27 13 00-0106		1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,117.62		61.72
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	1,469.57		72.00
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,022.02		92.58
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,231.96		102.86
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 10,000 AIC	2,811.17		113.16
26 27 13 00-0112		800 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	948.56		82.30
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,226.68		92.58
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,760.18		113.16
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,206.84		123.44
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 800 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,312.63		133.72
26 27 13 00-0118		1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC, 2 Pole <small>(26 27 13 00-0099)</small>			
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,433.34		82.30
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	1,880.00		92.58
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,688.08		113.16
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	2,812.82		123.44
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 1,200 Amp Bus, 5 Jaw Sockets, 42,000 AIC	3,562.46		133.72
26 27 13 00-0124		Watt/Hour Meters <small>(26 27 13)</small>			
26 27 13 00-0125	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	635.91		49.37
26 27 13 00-0126	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	1,896.24		98.75
26 27 13 00-0127	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,022.48		74.07
26 27 13 00-0128	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	1,238.72		74.07
26 27 13 00-0129	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,054.25		74.07
26 27 13 00-0130	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	707.29		68.30
26 27 13 00-0131	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,212.06		123.44
26 27 13 00-0132		Watt/Hour Meter Systems <small>(26 27 13)</small>			
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.					
26 27 13 00-0133		Watt/Hour Meter System Without Main Breaker <small>(26 27 13 00-0132)</small>			
26 27 13 00-0134	EA	400 Amp System; 200 Amp M-90 Meter And Enclosure	3,182.74		493.83
26 27 13 00-0135	EA	600-800 Amp System; 200 Amp M-90 Meter And Enclosure	3,693.06		493.83
26 27 13 00-0136		Watt/Hour Meter System With Main Breaker <small>(26 27 13 00-0132)</small>			
26 27 13 00-0137	EA	400 Amp System; 400 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	5,423.32		493.83
26 27 13 00-0138	EA	600 Amp System; 600 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	6,536.12		493.83
26 27 13 00-0139	EA	800 Amp System; 800 Amp Main Breaker, 200 Amp M-90 Meter And Enclosure	7,008.05		493.83

26 27 16 Electrical Cabinets And Enclosures (26 27)
Note: Can be used as enclosure or pull/junction boxes.



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-001		NEMA 1 Enclosures <small>(26 27 16)</small>		
26 27 16 00-002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0004	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	52.38	16.46
26 27 16 00-0005	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	58.77	18.10
26 27 16 00-0006	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.22	19.75
26 27 16 00-0007	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.14	23.04
26 27 16 00-0008	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	82.97	24.69
26 27 16 00-0009	EA	10" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.31	26.33
26 27 16 00-0010	EA	12" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	90.05	26.33
26 27 16 00-0011	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	97.55	27.98
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.45	29.63
26 27 16 00-0013	EA	16" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.67	39.50
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	165.79	47.73
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	157.46	46.08
26 27 16 00-0016		6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0002)</small>		
26 27 16 00-0017	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	65.72	19.75
26 27 16 00-0018	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	79.86	23.04
26 27 16 00-0019	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	95.31	27.98
26 27 16 00-0020	EA	10" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	103.01	29.63
26 27 16 00-0021	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	110.87	31.27
26 27 16 00-0022	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.10	32.91
26 27 16 00-0023	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	151.16	42.80
26 27 16 00-0024	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	183.21	52.67
26 27 16 00-0025	EA	18" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	176.67	51.03
26 27 16 00-0026	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	230.11	65.84
26 27 16 00-0027	EA	24" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	295.95	75.71
26 27 16 00-0028	EA	24" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	338.46	82.30
26 27 16 00-0029	EA	30" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	377.08	87.23
26 27 16 00-0030	EA	36" x 24" x 6" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	411.59	90.52
26 27 16 00-0031		Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0001)</small>		
26 27 16 00-0032		3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0033	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	37.93	11.52
26 27 16 00-0034	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	54.22	16.46
26 27 16 00-0035	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	60.66	18.10
26 27 16 00-0036		4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0037	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	42.21	13.17
26 27 16 00-0038	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	52.24	16.46
26 27 16 00-0039	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	58.55	18.10
26 27 16 00-0040	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	64.98	19.75
26 27 16 00-0041	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	75.82	23.04
26 27 16 00-0042	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	82.62	24.69
26 27 16 00-0043	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.82	26.33
26 27 16 00-0044	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	89.51	26.33
26 27 16 00-0045	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	97.06	27.98
26 27 16 00-0046	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	104.88	29.63
26 27 16 00-0047	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	136.67	39.50
26 27 16 00-0048	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	169.06	49.37
26 27 16 00-0049	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	156.68	46.08
26 27 16 00-0050	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	203.25	59.25
26 27 16 00-0051	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	301.39	74.07
26 27 16 00-0052		6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures <small>(26 27 16 00-0031)</small>		
26 27 16 00-0053	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	65.42	19.75
26 27 16 00-0054	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.44	21.40
26 27 16 00-0055	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	83.48	24.69
26 27 16 00-0056	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	94.81	27.98
26 27 16 00-0057	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	102.49	29.63
26 27 16 00-0058	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	110.27	31.27
26 27 16 00-0059	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	118.41	32.91
26 27 16 00-0060	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	151.16	42.80
26 27 16 00-0061	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	185.66	52.67
26 27 16 00-0062	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	175.79	51.03
26 27 16 00-0063	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	228.91	65.84
26 27 16 00-0064	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	290.40	75.71
26 27 16 00-0065	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	335.91	82.30
26 27 16 00-0066	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	363.79	87.23
26 27 16 00-0067	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	401.31	90.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0068 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0069 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	94.81	27.98
26 27 16 00-0070 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	130.69	36.21
26 27 16 00-0071 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	166.10	46.08
26 27 16 00-0072 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	205.88	57.60
26 27 16 00-0073 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	196.15	55.96
26 27 16 00-0074 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	243.12	69.13
26 27 16 00-0075 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	269.82	79.00
26 27 16 00-0076 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	318.26	83.94
26 27 16 00-0077 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	370.56	90.52
26 27 16 00-0078 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	394.89	95.46
26 27 16 00-0079 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	415.93	98.75
26 27 16 00-0080 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	428.75	98.75
26 27 16 00-0081 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0082 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	223.27	62.54
26 27 16 00-0083 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	295.00	80.64
26 27 16 00-0084 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	295.88	85.58
26 27 16 00-0085 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	396.88	92.17
26 27 16 00-0086 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	459.53	102.04
26 27 16 00-0087 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	515.43	105.34
26 27 16 00-0088 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	551.29	110.27
26 27 16 00-0089 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0031)		
26 27 16 00-0090 EA 18" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	325.80	88.88
26 27 16 00-0091 EA 24" x 12" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	320.83	93.81
26 27 16 00-0092 EA 24" x 18" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	435.88	102.04
26 27 16 00-0093 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	501.23	111.92
26 27 16 00-0094 EA 30" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	568.48	116.85
26 27 16 00-0095 EA 36" x 24" x 12" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	600.60	121.79
26 27 16 00-0096 NEMA 12 Enclosures (26 27 16)		
Note: Dust-tight enclosures.		
26 27 16 00-0097 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0098 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0099 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	75.42	13.17
26 27 16 00-0100 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	98.13	18.10
26 27 16 00-0101 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	121.34	23.04
26 27 16 00-0102 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	131.40	24.69
26 27 16 00-0103 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	147.64	26.33
26 27 16 00-0104 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	159.07	27.98
26 27 16 00-0105 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0097)		
26 27 16 00-0106 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	108.98	19.75
26 27 16 00-0107 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	120.11	21.40
26 27 16 00-0108 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0109 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0110 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	80.56	13.17
26 27 16 00-0111 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	100.02	18.10
26 27 16 00-0112 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	112.04	19.75
26 27 16 00-0113 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	128.84	23.04
26 27 16 00-0114 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	133.97	24.69
26 27 16 00-0115 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	154.10	26.33
26 27 16 00-0116 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	165.02	27.98
26 27 16 00-0117 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	184.56	29.63
26 27 16 00-0118 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0119 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	118.42	19.75
26 27 16 00-0120 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	132.52	21.40
26 27 16 00-0121 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	146.44	24.69
26 27 16 00-0122 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	173.83	29.63
26 27 16 00-0123 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	189.87	32.91
26 27 16 00-0124 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	259.39	42.80
26 27 16 00-0125 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	401.26	65.84
26 27 16 00-0126 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	510.24	75.71
26 27 16 00-0127 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	570.79	82.30
26 27 16 00-0128 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0108)		
26 27 16 00-0129 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	539.32	83.94



MINOR CSI UOM	DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0130	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	612.46	90.52
26 27 16 00-0131	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	667.34	95.46
26 27 16 00-0132	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	726.28	98.75
26 27 16 00-0133	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	718.27	98.75
26 27 16 00-0134		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0096)		
26 27 16 00-0135		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0136	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	1,990.96	133.72
26 27 16 00-0137		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0138	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,025.55	148.12
26 27 16 00-0139	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,310.07	158.42
26 27 16 00-0140	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,675.36	197.51
26 27 16 00-0141	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	3,001.79	232.88
26 27 16 00-0142		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0134)		
26 27 16 00-0143	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,248.03	232.88
26 27 16 00-0144	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,491.14	246.88
26 27 16 00-0145	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	2,809.52	263.33
26 27 16 00-0146	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure.....	3,068.48	263.33
26 27 16 00-0147		NEMA 3 Enclosures (26 27 16) Note: Can be used underground or encased in concrete.		
26 27 16 00-0148		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0149	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	212.55	57.60
26 27 16 00-0150		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0151	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	227.95	57.60
26 27 16 00-0152	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	290.38	59.66
26 27 16 00-0153	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	300.86	59.66
26 27 16 00-0154	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	377.13	61.72
26 27 16 00-0155		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0156	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	287.54	59.66
26 27 16 00-0157	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	314.95	59.66
26 27 16 00-0158	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	328.28	61.72
26 27 16 00-0159	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	412.47	61.72
26 27 16 00-0160	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	453.29	65.84
26 27 16 00-0161	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	487.87	69.95
26 27 16 00-0162	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	507.89	69.95
26 27 16 00-0163	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	603.27	72.00
26 27 16 00-0164	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	654.21	74.07
26 27 16 00-0165	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	894.52	82.30
26 27 16 00-0166		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0167	EA	6" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	435.54	63.77
26 27 16 00-0168	EA	8" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	548.36	72.00
26 27 16 00-0169	EA	8" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	641.90	74.07
26 27 16 00-0170	EA	10" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	739.23	76.12
26 27 16 00-0171	EA	10" x 10" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	786.45	76.12
26 27 16 00-0172	EA	12" x 8" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	894.27	82.30
26 27 16 00-0173	EA	12" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,034.28	92.58
26 27 16 00-0174	EA	16" x 6" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	974.66	88.46
26 27 16 00-0175	EA	18" x 12" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,894.54	164.58
26 27 16 00-0176	EA	18" x 18" x 6" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,277.94	205.73
26 27 16 00-0177		8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures (26 27 16 00-0147)		
26 27 16 00-0178	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	793.94	78.18
26 27 16 00-0179	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,193.14	102.86
26 27 16 00-0180	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,212.43	102.86
26 27 16 00-0181	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	1,643.38	154.30
26 27 16 00-0182	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,162.45	164.58
26 27 16 00-0183	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	5,480.58	288.02

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR			TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST		
26 27 16 00-0184		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0147)				
26 27 16 00-0185	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	2,882.65			205.73
26 27 16 00-0186		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures ^(26 27 16 00-0147)				
26 27 16 00-0187	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	4,429.84			246.88
26 27 16 00-0188	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure.....	3,644.30			226.30
26 27 16 00-0189		NEMA 3R Enclosures ^(26 27 16) Note: Rain-tight enclosures.				
26 27 16 00-0190		Hinged Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0189)				
26 27 16 00-0191		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0190)				
26 27 16 00-0192	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	63.09			16.46
26 27 16 00-0193	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	69.63			18.10
26 27 16 00-0194	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	95.39			18.10
26 27 16 00-0195		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0190)				
26 27 16 00-0196	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	125.17			24.69
26 27 16 00-0197	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	140.07			27.98
26 27 16 00-0198	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	163.57			31.27
26 27 16 00-0199	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	176.38			32.91
26 27 16 00-0200	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	229.60			42.80
26 27 16 00-0201	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	275.32			52.67
26 27 16 00-0202	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	317.33			65.84
26 27 16 00-0203		8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0190)				
26 27 16 00-0204	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	473.87			83.94
26 27 16 00-0205	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	524.25			90.52
26 27 16 00-0206	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.91			95.46
26 27 16 00-0207	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	616.48			98.75
26 27 16 00-0208		10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0190)				
26 27 16 00-0209	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.57			102.04
26 27 16 00-0210	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	662.57			115.21
26 27 16 00-0211	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	733.61			127.56
26 27 16 00-0212	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	807.97			140.72
26 27 16 00-0213	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	879.84			153.06
26 27 16 00-0214	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	389.01			80.64
26 27 16 00-0215	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	586.57			102.04
26 27 16 00-0216	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	686.71			105.34
26 27 16 00-0217	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	860.18			115.21
26 27 16 00-0218		12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0190)				
26 27 16 00-0219	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	560.05			81.47
26 27 16 00-0220	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	628.17			91.35
26 27 16 00-0221	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	695.45			101.22
26 27 16 00-0222	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	768.89			111.92
26 27 16 00-0223	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	837.00			121.79
26 27 16 00-0224	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	418.50			60.90
26 27 16 00-0225	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	560.05			81.47
26 27 16 00-0226	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	628.17			91.35
26 27 16 00-0227	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	735.25			106.98
26 27 16 00-0228	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	837.00			121.79
26 27 16 00-0229	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	797.73			120.15
26 27 16 00-0230	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	837.00			121.79
26 27 16 00-0231	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	880.06			125.08
26 27 16 00-0232	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	976.46			131.67
26 27 16 00-0233	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,056.76			138.25
26 27 16 00-0234		Screw Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0189)				
26 27 16 00-0235		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures ^(26 27 16 00-0234)				
26 27 16 00-0236	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	50.07			13.17
26 27 16 00-0237	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	60.46			16.46
26 27 16 00-0238	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	66.77			18.10
26 27 16 00-0239	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	74.08			19.75
26 27 16 00-0240	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	86.01			23.04
26 27 16 00-0241	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	93.81			24.69
26 27 16 00-0242	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	102.31			26.33
26 27 16 00-0243	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	101.84			26.33
26 27 16 00-0244	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure.....	111.42			27.98



Electrical	26	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0245 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	119.92	29.63
26 27 16 00-0246 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	180.98	46.08
26 27 16 00-0247 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 3R Enclosure	241.72	59.25
26 27 16 00-0248 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0249 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	69.39	19.75
26 27 16 00-0250 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	95.08	24.69
26 27 16 00-0251 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	107.70	27.98
26 27 16 00-0252 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.85	29.63
26 27 16 00-0253 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	116.16	29.63
26 27 16 00-0254 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	125.86	31.27
26 27 16 00-0255 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	135.66	32.91
26 27 16 00-0256 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	177.07	42.80
26 27 16 00-0257 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	203.57	51.03
26 27 16 00-0258 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	271.98	65.84
26 27 16 00-0259 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	283.60	70.77
26 27 16 00-0260 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	325.01	75.71
26 27 16 00-0261 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	366.57	82.30
26 27 16 00-0262 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0263 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	151.94	36.21
26 27 16 00-0264 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	219.48	55.96
26 27 16 00-0265 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	301.00	72.41
26 27 16 00-0266 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	359.59	83.94
26 27 16 00-0267 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	407.59	90.52
26 27 16 00-0268 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 3R Enclosure	453.67	95.46
26 27 16 00-0269 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0270 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	331.94	80.64
26 27 16 00-0271 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	447.79	102.04
26 27 16 00-0272 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	492.36	105.34
26 27 16 00-0273 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures <small>(26 27 16 00-0234)</small>		
26 27 16 00-0274 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	494.81	111.92
26 27 16 00-0275 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	694.86	121.79
26 27 16 00-0276 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	718.28	125.08
26 27 16 00-0277 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	842.50	131.67
26 27 16 00-0278 NEMA 4 Enclosures <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
26 27 16 00-0279 Hinge Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0280 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	87.06	11.52
26 27 16 00-0281 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	101.28	13.99
26 27 16 00-0282 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	126.43	18.10
26 27 16 00-0283 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	119.81	18.10
26 27 16 00-0284 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	159.86	24.69
26 27 16 00-0285 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	199.79	29.63
26 27 16 00-0286 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	184.22	27.98
26 27 16 00-0287 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	214.61	32.91
26 27 16 00-0288 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	252.99	37.86
26 27 16 00-0289 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	305.65	47.73
26 27 16 00-0290 Clamp Cover, Painted Steel NEMA 4 Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0291 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	79.37	11.52
26 27 16 00-0292 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	112.14	18.10
26 27 16 00-0293 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures <small>(26 27 16 00-0278)</small>		
26 27 16 00-0294 EA 6" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	98.93	15.80
26 27 16 00-0295 EA 8" x 6" x 4" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	104.92	17.12
26 27 16 00-0296 EA 10" x 8" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	128.03	22.38
26 27 16 00-0297 EA 12" x 10" x 6" Screw Cover, Fiberglass NEMA 4 Or 4x Enclosure	150.33	24.69
26 27 16 00-0298 EA 14" x 12" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	195.01	31.27
26 27 16 00-0299 EA 16" x 14" x 8" Screw Cover, Fiberglass NEMA 4 Enclosure	227.79	37.03
26 27 16 00-0300 EA 18" x 16" x 10" Screw Cover, Fiberglass NEMA 4 Enclosure	316.67	59.25
26 27 16 00-0301 NEMA 4X Enclosures <small>(26 27 16)</small>		
Note: Water-tight enclosures.		
26 27 16 00-0302 Clamp Cover, Aluminum NEMA 4X Enclosures <small>(26 27 16 00-0301)</small>		
26 27 16 00-0303 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	178.79	13.17
26 27 16 00-0304 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	209.33	18.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0305	EA		10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	264.36	24.69
26 27 16 00-0306	EA		12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	321.13	29.63
26 27 16 00-0307	EA		14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	395.15	37.86
26 27 16 00-0308	EA		16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	464.92	47.73
26 27 16 00-0309			Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0301)		
26 27 16 00-0310	EA		4" x 4" x 3" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	161.11	11.52
			<i>For 316L Stainless Steel, Add</i>	35.72	
26 27 16 00-0311	EA		6" x 4" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	210.44	16.46
			<i>For 316L Stainless Steel, Add</i>	45.71	
26 27 16 00-0312	EA		6" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	238.13	18.10
			<i>For 316L Stainless Steel, Add</i>	52.07	
26 27 16 00-0313	EA		8" x 6" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	271.95	19.75
			<i>For 316L Stainless Steel, Add</i>	60.10	
26 27 16 00-0314	EA		10" x 8" x 4" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	334.27	24.69
			<i>For 316L Stainless Steel, Add</i>	73.59	
26 27 16 00-0315	EA		12" x 10" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	468.06	31.27
			<i>For 316L Stainless Steel, Add</i>	105.27	
26 27 16 00-0316	EA		14" x 12" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	582.81	37.86
			<i>For 316L Stainless Steel, Add</i>	131.81	
26 27 16 00-0317	EA		16" x 14" x 6" Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure.....	703.89	47.73
			<i>For 316L Stainless Steel, Add</i>	157.83	
26 27 16 00-0318			Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301)		
			Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0319	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	86.47	18.10
26 27 16 00-0320	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	97.09	19.75
26 27 16 00-0321	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	111.28	23.04
26 27 16 00-0322	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	120.83	24.69
26 27 16 00-0323	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	139.35	27.98
26 27 16 00-0324	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	131.76	27.98
26 27 16 00-0325	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	152.98	31.27
26 27 16 00-0326	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	191.15	37.86
26 27 16 00-0327	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	245.65	51.85
26 27 16 00-0328	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	319.65	74.64
26 27 16 00-0329	EA		6" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	92.44	18.10
26 27 16 00-0330	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	104.14	19.75
26 27 16 00-0331	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	118.88	23.04
26 27 16 00-0332	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	130.04	24.69
26 27 16 00-0333	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	149.11	27.98
26 27 16 00-0334	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	140.99	27.98
26 27 16 00-0335	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	165.48	31.27
26 27 16 00-0336	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	197.65	37.86
26 27 16 00-0337	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	259.21	51.85
26 27 16 00-0338	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	334.28	74.64
26 27 16 00-0339			Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0301)		
			Note: NEMA 3R, 4, 4X and 12 rated.		
26 27 16 00-0340	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	103.28	18.10
26 27 16 00-0341	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	110.65	19.75
26 27 16 00-0342	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	125.92	23.04
26 27 16 00-0343	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	136.01	24.69
26 27 16 00-0344	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	160.51	27.98
26 27 16 00-0345	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	148.58	27.98
26 27 16 00-0346	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	181.20	31.27
26 27 16 00-0347	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	215.55	37.86
26 27 16 00-0348	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover.....	266.80	51.85
26 27 16 00-0349	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	347.30	74.64
26 27 16 00-0350	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	107.62	18.10
26 27 16 00-0351	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	118.77	19.75
26 27 16 00-0352	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	133.51	23.04
26 27 16 00-0353	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	144.14	24.69
26 27 16 00-0354	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	171.35	27.98
26 27 16 00-0355	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	157.79	27.98
26 27 16 00-0356	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	192.59	31.27
26 27 16 00-0357	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	220.97	37.86
26 27 16 00-0358	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	284.68	51.85
26 27 16 00-0359	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover.....	366.28	74.64
26 27 16 00-0360			NEMA 7/9 Enclosures (26 27 16)		
			Note: Nominal inside dimensions.		
26 27 16 00-0361			4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0360)		
26 27 16 00-0362	EA		6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	936.07	92.58
			<i>For Mounting Pan, Add</i>	39.75	
26 27 16 00-0363	EA		6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	746.88	98.75
			<i>For Mounting Pan, Add</i>	74.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0364 EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,458.39 102.13	111.09
26 27 16 00-0365 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0366 EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,297.08 51.93	111.09
26 27 16 00-0367 EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,689.49 102.13	114.18
26 27 16 00-0368 EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,728.89 78.13	123.44
26 27 16 00-0369 EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	1,774.23 91.41	123.44
26 27 16 00-0370 EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,508.14 119.92	154.30
26 27 16 00-0371 EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,364.28 74.88	138.87
26 27 16 00-0372 EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,446.06 112.04	154.30
26 27 16 00-0373 EA 12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,779.21 150.73	277.74
26 27 16 00-0374 EA 14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,000.00 146.76	185.16
26 27 16 00-0375 EA 16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,938.37 134.74	308.60
26 27 16 00-0376 EA 18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,719.05 219.04	308.60
26 27 16 00-0377 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0378 EA 8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,017.72 78.13	138.87
26 27 16 00-0379 EA 10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,031.82 91.41	138.87
26 27 16 00-0380 EA 10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,300.18 119.92	138.87
26 27 16 00-0381 EA 12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	2,548.90 74.88	154.30
26 27 16 00-0382 EA 12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	3,706.52 112.04	277.74
26 27 16 00-0383 EA 12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,510.38 150.73	339.46
26 27 16 00-0384 EA 12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,080.75 226.69	401.17
26 27 16 00-0385 EA 14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,062.18 146.76	339.46
26 27 16 00-0386 EA 16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,172.62 134.74	339.46
26 27 16 00-0387 EA 16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,213.70 201.96	370.31
26 27 16 00-0388 EA 18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	5,132.98 219.04	339.46
26 27 16 00-0389 EA 18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,854.68 320.30	370.31
26 27 16 00-0390 EA 18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,807.79 427.00	370.31
26 27 16 00-0391 EA 18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	10,567.58 533.67	493.75
26 27 16 00-0392 EA 24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	8,043.40 496.22	401.17
26 27 16 00-0393 EA 24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	14,570.35 679.32	617.19
26 27 16 00-0394 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0395 EA 12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,364.85 226.69	401.17
26 27 16 00-0396 EA 16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	6,779.56 201.96	370.31
26 27 16 00-0397 EA 18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	7,385.99 320.30	401.17
26 27 16 00-0398 EA 18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	9,328.42 533.67	432.03
26 27 16 00-0399 EA 24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	8,255.40 496.22	432.03
26 27 16 00-0400 EA 24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	15,871.83 679.32	617.19



MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 16 00-0401		12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures <small>(26 27 16 00-0360)</small>		
26 27 16 00-0402	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure For Mounting Pan, Add	4,611.71 150.73	339.46
26 27 16 00-0403		Breaker Enclosures <small>(26 27 16)</small>		
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.		
26 27 16 00-0404		15 To 100 Amp, F-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0405	EA	NEMA 1, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	309.33	65.84
26 27 16 00-0406	EA	NEMA 3R, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure	601.67	65.84
26 27 16 00-0407	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,526.18	90.52
26 27 16 00-0408	EA	NEMA 7, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	2,083.14	98.75
26 27 16 00-0409	EA	NEMA 9, Cast Aluminum, 15 To 100 Amp, F-Frame Breaker Enclosure.....	1,503.16	98.75
26 27 16 00-0410	EA	NEMA 12, Painted Steel, 15 To 100 Amp, F-Frame Breaker Enclosure.....	495.95	90.52
26 27 16 00-0411		15 To 250 Amp, H Or J-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0412	EA	NEMA 1, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	502.52	90.52
26 27 16 00-0413	EA	NEMA 3R, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	970.65	90.52
26 27 16 00-0414	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure	3,431.11	115.21
26 27 16 00-0415	EA	NEMA 12, Painted Steel, 15 To 250 Amp, H Or J-Frame Breaker Enclosure.....	777.49	115.21
26 27 16 00-0416		125 To 400 Amp, L-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0417	EA	NEMA 1, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	763.46	181.04
26 27 16 00-0418	EA	NEMA 3R, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure	1,917.84	181.04
26 27 16 00-0419	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	5,793.49	230.42
26 27 16 00-0420	EA	NEMA 12, Painted Steel, 125 To 400 Amp, L-Frame Breaker Enclosure.....	1,309.58	230.42
26 27 16 00-0421		300 To 800 Amp, M-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0422	EA	NEMA 1, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	1,500.64	345.63
26 27 16 00-0423	EA	NEMA 3R, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure	2,720.76	345.63
26 27 16 00-0424	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	10,406.18	444.38
26 27 16 00-0425	EA	NEMA 12, Painted Steel, 300 To 800 Amp, M-Frame Breaker Enclosure.....	5,511.60	444.38
26 27 16 00-0426		250 To 1,200 Amp, P-Frame Breaker Enclosures <small>(26 27 16 00-0403)</small>		
26 27 16 00-0427	EA	NEMA 1, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	1,875.70	345.63
26 27 16 00-0428	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	3,313.90	345.63
26 27 16 00-0429	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amp, P-Frame Breaker Enclosure.....	6,996.80	444.38
26 27 16 00-0430		Legend Plates <small>(26 27 16)</small>		
26 27 16 00-0431	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	10.59	4.12
26 27 16 00-0432	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	12.60	4.12
26 27 23		Indoor Service Poles <small>(26 27)</small>		
26 27 23 00-0001		Communication And Power Poles <small>(26 27 23)</small>		
		Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	214.42	36.48
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	232.79	36.48
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	254.05	36.48
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>		
		Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	46.29	7.52
26 27 23 00-0010	EA	Add-On Cover Plate For Three Duplex Receptacles	38.10	7.52
26 27 23 00-0011	EA	Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	43.10	7.52
26 27 23 00-0012	EA	Add-On Cover Plate For Data And A/V Modular Devices	32.02	7.52
26 27 23 00-0013	EA	Add-On Radius Control Entrance End Fitting	26.43	7.52
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>		



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0016 EA 2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	277.43	36.48
26 27 23 00-0017 EA 2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	316.92	36.48
26 27 23 00-0018 EA 2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	338.24	36.48
26 27 23 00-0019 Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0014) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On Cover Plate For One Single Receptacle.....	29.55	7.52
26 27 23 00-0021 EA Add-On Cover Plate For One Duplex Receptacle.....	26.60	7.52
26 27 23 00-0022 EA Add-On Cover Plate For Data And A/V Modular Devices	28.71	7.52
26 27 23 00-0023 3" Width, Steel Communication And Power Poles (26 27 23 00-0002)		
26 27 23 00-0024 3" Width, Steel Communication And Power Poles (26 27 23 00-0003)		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	361.12	36.48
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	408.65	36.48
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	439.99	36.48
26 27 23 00-0028 Additional Cover Plates For 3" Width, Steel Communication And Power Poles (26 27 23 00-0003) Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On Cover Plate For One Single Receptacle.....	29.55	7.52
26 27 23 00-0030 EA Add-On Cover Plate For One Duplex Receptacle.....	26.60	7.52
26 27 23 00-0031 EA Add-On Cover Plate For Data And A/V Modular Devices	28.71	7.52
26 27 23 00-0032 Aluminum Communication And Power Poles (26 27 23 00-0001)		
26 27 23 00-0033 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0034 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	289.80	36.48
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	323.03	36.48
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	360.29	36.48
26 27 23 00-0038 Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles (26 27 23 00-0033)		
26 27 23 00-0039 EA Add-On Cover Plate For Two Duplex Receptacles And One Single Receptacle	45.04	7.52
26 27 23 00-0040 EA Add-On Cover Plate For Three Duplex Receptacles	45.98	7.52
26 27 23 00-0041 EA Add-On Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	49.10	7.52
26 27 23 00-0042 EA Add-On Cover Plate For Data And A/V Modular Devices	33.77	7.52
26 27 23 00-0043 EA Add-On Radius Control Entrance End Fitting	26.43	7.52
26 27 23 00-0044 2-1/4" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	279.42	36.48
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	313.50	36.48
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	353.66	36.48
26 27 23 00-0048 5" Width, Aluminum Communication And Power Poles (26 27 23 00-0032)		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	583.03	36.48
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	666.63	36.48
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	760.26	36.48
26 27 23 00-0052 2" Diameter, Round Aluminum Communication And Power Pole (26 27 23 00-0032)		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	317.51	36.48
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	300.67	36.48
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	384.75	36.48
26 27 26 Wiring Devices (26 27) Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
26 27 26 00-0001 Receptacles (26 27 26)		
26 27 26 00-0002 General Use Receptacles (26 27 26 00-0001)		
26 27 26 00-0003 Receptacle Assemblies (26 27 26 00-0002) Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 1 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	65.29	29.22
26 27 26 00-0005 EA 1 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	69.86	31.27
26 27 26 00-0006 EA 2 Gang, 15 Amp, NEMA 5-15, Duplex Receptacle Assembly.....	83.76	37.44
26 27 26 00-0007 EA 2 Gang, 20 Amp, NEMA 5-20, Duplex Receptacle Assembly.....	92.92	41.55
26 27 26 00-0008 EA 1 Gang, 15 Amp, GFI, Duplex Receptacle Assembly	71.53	29.22

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 27	Low-Voltage Distribution Equipment



MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 27 26 00-0009	EA	1 Gang, 20 Amp, GFI, Duplex Receptacle Assembly	76.44	31.27
26 27 26 00-0010		Receptacle Components (26 27 26 00-0002)		
26 27 26 00-0011	EA	15 Amp, NEMA 5-15, Single Receptacle, 125 Volt, 1 Phase	18.16	8.23
26 27 26 00-0012	EA	15 Amp, NEMA 5-15, Duplex Receptacle, 125 Volt, 1 Phase	17.80	8.23
26 27 26 00-0013	EA	15 Amp, Single Receptacle, 120/277 Volt, 3 Wire	19.95	8.23
26 27 26 00-0014	EA	15 Amp, Duplex Receptacle, 120/277 Volt, 3 Wire	21.19	8.23
26 27 26 00-0015	EA	15 Amp, NEMA 6-15, Single Receptacle, 250 Volt, 1 Phase	26.89	10.28
26 27 26 00-0016	EA	15 Amp, NEMA 6-15, Duplex Receptacle, 250 Volt, 1 Phase	30.97	10.28
26 27 26 00-0017	EA	20 Amp, NEMA 5-20, Single Receptacle, 125 Volt, 1 Phase	18.64	8.23
26 27 26 00-0018	EA	20 Amp, NEMA 5-20, Duplex Receptacle, 125 Volt, 1 Phase	18.26	8.23
26 27 26 00-0019	EA	20 Amp, Single Receptacle, 120/277 Volt	23.86	8.23
26 27 26 00-0020	EA	20 Amp, Duplex Receptacle, 120/277 Volt	20.80	8.23
26 27 26 00-0021	EA	20 Amp, NEMA 6-20, Single Receptacle, 250 Volt, 1 Phase	26.89	10.28
26 27 26 00-0022	EA	20 Amp, NEMA 6-20, Duplex Receptacle, 250 Volt, 1 Phase	30.97	10.28
26 27 26 00-0023	EA	20 Amp, NEMA 14-20, Single Receptacle, 125/250 Volt, 1 Phase	44.06	10.28
26 27 26 00-0024	EA	20 Amp, NEMA 15-20, Single Receptacle, 250 Volt, 3 Phase	44.06	10.28
26 27 26 00-0025	EA	25 Amp, Duplex Receptacle, 120/277 Volt	39.77	12.35
26 27 26 00-0026		Specialty Receptacles (26 27 26 00-0001)		
26 27 26 00-0027		Specialty (26 27 26 00-0026)		
26 27 26 00-0028	EA	30 Amp, NEMA 5-30, Single Receptacle, 125 Volt, 1 Phase	38.06	14.40
26 27 26 00-0029	EA	30 Amp, NEMA 6-30, Single Receptacle, 250 Volt, 1 Phase	38.06	14.40
26 27 26 00-0030	EA	30 Amp, NEMA 10-30 Single Receptacles, 125/250 Volt	49.64	14.40
26 27 26 00-0031	EA	30 Amp, NEMA 14-30, Single Receptacle, 125/250 Volt, 1 Phase	52.28	14.40
26 27 26 00-0032	EA	30 Amp, NEMA 15-30, Single Receptacle, 250 Volt, 3 Phase	56.39	16.46
26 27 26 00-0033	EA	50 Amp, NEMA 5-50, Single Receptacle, 125 Volt, 1 Phase	52.99	16.46
26 27 26 00-0034	EA	50 Amp, NEMA 6-50, Single Receptacle, 250 Volt, 1 Phase	52.04	16.46
26 27 26 00-0035	EA	50 Amp, NEMA 7-50 Single Receptacles, 277 Volt	47.11	16.46
26 27 26 00-0036	EA	50 Amp, NEMA 10-50 Single Receptacles, 125/250 Volt	59.60	16.46
26 27 26 00-0037	EA	50 Amp, NEMA 14-50, Single Receptacle, 125/250 Volt, 1 Phase	61.60	16.46
26 27 26 00-0038	EA	50 Amp, NEMA 15-50, Single Receptacle, 250 Volt, 3 Phase	65.72	18.51
26 27 26 00-0039	EA	60 Amp, NEMA 14-60, Single Receptacle, 125/250 Volt, 1 Phase	72.44	20.58
26 27 26 00-0040	EA	60 Amp, NEMA 15-60, Single Receptacle, 250 Volt, 3 Phase	80.67	24.69
26 27 26 00-0041	EA	100 Amp, 3 Phase, 480 Volt Joy Receptacle With Box - Complete	735.12	193.39
26 27 26 00-0042	EA	400 Amp, 4 Pole Weatherproof Generator Receptacle With Box - Complete	1,627.07	236.59
26 27 26 00-0043	EA	30 Amp, Dryer Receptacle, 230 Volt	44.88	16.46
26 27 26 00-0044	EA	60 Amp, Range Receptacle, 230 Volt	66.14	24.69
26 27 26 00-0045	EA	15 Or 20 Amp, Clock Hanger Receptacle, 120/277 Volt	38.40	10.28
26 27 26 00-0046	EA	Cable Reel With 20 Amp, 120 Volt Receptacle - Complete	806.40	250.75
26 27 26 00-0047		Isolated Ground Receptacles (26 27 26 00-0026)		
26 27 26 00-0048	EA	15 Amp, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex	51.32	8.23
		Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Simplex	33.76	10.28
26 27 26 00-0050	EA	20 Amp, 120 Volt Isolated Ground Receptacles, Duplex	33.67	10.28
26 27 26 00-0051	EA	30 Amp, 120 Volt Isolated Ground Receptacles, Simplex	48.35	16.46
26 27 26 00-0052	EA	Locking 15 Amp, 250 Volt Isolated Ground Receptacles	36.90	10.28
26 27 26 00-0053	EA	Locking 15 Amp, 277 Volt Isolated Ground Receptacles	34.46	10.28
26 27 26 00-0054	EA	Locking 20 Amp, 120/208 Volt Isolated Ground Receptacles	46.21	12.35
26 27 26 00-0055	EA	Locking 20 Amp, 277/480 Volt Isolated Ground Receptacles	38.60	12.35
26 27 26 00-0056	EA	Locking 20 Amp, 347/600 Volt Isolated Ground Receptacles	47.11	12.35
26 27 26 00-0057	EA	Locking 30 Amp, 120/208 Volt Isolated Ground Receptacles	55.41	12.35
26 27 26 00-0058	EA	Locking 30 Amp, 277 Volt Isolated Ground Receptacles	57.78	16.46
26 27 26 00-0059		Explosion Proof Receptacles (26 27 26 00-0026)		
26 27 26 00-0060	EA	1/2", 20 Amp, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	441.48	20.58
26 27 26 00-0061	EA	3/4", 20 Amp, 2 Watt., 3 Pole, Type CPS Explosion Proof Receptacle Assembly	415.20	22.63
26 27 26 00-0062	EA	3/4", 30 Amp, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	682.08	41.14
26 27 26 00-0063	EA	3/4", 30 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	852.80	41.14
26 27 26 00-0064	EA	1-1/4", 60 Amp, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,084.88	61.72
26 27 26 00-0065	EA	1-1/4", 60 Amp, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,051.09	61.72
26 27 26 00-0066		Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)		
26 27 26 00-0067	EA	15 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	21.98	10.28
26 27 26 00-0068	EA	20 Amp Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	33.07	12.35
26 27 26 00-0069	EA	15 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	23.08	14.01
26 27 26 00-0070	EA	20 Amp, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	39.47	16.46
26 27 26 00-0071		Locking Receptacle (26 27 26 00-0026)		
26 27 26 00-0072	EA	Locking, 15 Amp, 250 Volt, NEMA L15-15 Power Receptacles, 2 Phase	42.32	10.28
26 27 26 00-0073	EA	Locking, 15 Amp, 250 Volt, NEMA L16-15 Power Receptacles, 2 Phase	43.61	10.28
26 27 26 00-0074	EA	Locking, 20 Amp, 125 Volt, NEMA L5-20 Power Receptacles	33.95	12.35



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0075	EA		Locking, 20 Amp, 250 Volt, NEMA L6-20 Power Receptacles.....	34.00	12.35
26 27 26 00-0076	EA		Locking, 20 Amp, 480 Volt, NEMA L8-20 Power Receptacles.....	35.92	12.35
26 27 26 00-0077	EA		Locking, 20 Amp, 600 Volt, NEMA L9-20 Power Receptacles.....	40.37	12.35
26 27 26 00-0078	EA		Locking, 20 Amp, 125/250 Volt, NEMA L10-20 Power Receptacles.....	37.72	12.35
26 27 26 00-0079	EA		Locking, 20 Amp, 125/250 Volt, NEMA L14-20 Power Receptacles.....	38.39	12.35
26 27 26 00-0080	EA		Locking, 30 Amp, 120 Volt AC, NEMA L5-30 Power Receptacles.....	43.51	16.46
26 27 26 00-0081	EA		Locking, 30 Amp, 250 Volt AC, NEMA L6-30 Power Receptacles.....	44.12	16.46
26 27 26 00-0082	EA		Locking, 30 Amp, 250 Volt, NEMA L15-30 Power Receptacles, 3 Phase.....	50.58	16.46
26 27 26 00-0083			Pin And Sleeve Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0084	EA		Pin And Sleeve, 20 Amp, 120/208 Volt Power Receptacles And Box.....	98.13	20.58
			<i>For Straight Plug, Add</i>	70.21	
26 27 26 00-0085	EA		Pin And Sleeve, 20 Amp, 277/480 Volt Power Receptacles And Box.....	98.13	20.58
			<i>For Straight Plug, Add</i>	70.21	
26 27 26 00-0086	EA		Pin And Sleeve, 30 Amp, 120/208 Volt Power Receptacles And Box.....	119.67	24.69
			<i>For Straight Plug, Add</i>	103.06	
26 27 26 00-0087	EA		Pin And Sleeve, 30 Amp, 277/480 Volt Power Receptacles And Box.....	119.67	24.69
			<i>For Straight Plug, Add</i>	103.06	
26 27 26 00-0088	EA		Pin And Sleeve, 60 Amp, 120/208 Volt Power Receptacles And Box.....	242.06	41.14
			<i>For Straight Plug, Add</i>	128.99	
26 27 26 00-0089	EA		Pin And Sleeve, 60 Amp, 277/480 Volt Power Receptacles And Box.....	242.06	41.14
			<i>For Straight Plug, Add</i>	128.99	
26 27 26 00-0090	EA		Pin And Sleeve, 100 Amp, 120/208 Volt Power Receptacles And Box.....	328.54	51.44
			<i>For Straight Plug, Add</i>	210.48	
26 27 26 00-0091	EA		Pin And Sleeve, 100 Amp, 277/480 Volt Power Receptacles And Box.....	328.54	51.44
			<i>For Straight Plug, Add</i>	210.48	
26 27 26 00-0092	EA		Pin And Sleeve, 200 Amp, 120/208 Volt Power Receptacles And Box.....	489.61	61.72
			<i>For Straight Plug, Add</i>	317.87	
26 27 26 00-0093			Corrosion Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0094	EA		15/20 Amp, 125 Volt Corrosion Resistant, Power Receptacles.....	38.23	8.23
26 27 26 00-0095	EA		15/20 Amp, 250 Volt Corrosion Resistant, Power Receptacles.....	72.03	10.28
26 27 26 00-0096			Tamper Resistant Receptacle <small>(26 27 26 00-0026)</small>		
26 27 26 00-0097	EA		15 Amp, 125 Volt Duplex Tamper Resistant Receptacle.....	19.38	8.23
			Note: Pass & Seymour 3232-TR.		
26 27 26 00-0098	EA		20 Amp, 125 Volt Duplex Specification Grade Tamper Resistant Receptacle.....	20.88	8.23
			Note: Pass & Seymour TR20.		
26 27 26 00-0099	EA		15 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	25.18	8.23
			Note: Pass & Seymour TR5251.		
26 27 26 00-0100	EA		20 Amp, 125 Volt Single Specification Grade Tamper Resistant Receptacle.....	27.20	8.23
			Note: Pass & Seymour TR5351.		
26 27 26 00-0101	EA		15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	39.34	8.23
			Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0102	EA		15 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	42.23	8.23
			Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0103	EA		20 Amp, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	44.99	8.23
			Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0104			Television Receptacle <small>(26 27 26 00-0001)</small>		
26 27 26 00-0105	EA		TV Receptacle With Cover (Type F) - Complete.....	47.31	19.09
26 27 26 00-0106			Switches <small>(26 27 26)</small>		
26 27 26 00-0107			Switches <small>(26 27 26 00-0106)</small>		
26 27 26 00-0108			Switch Assemblies <small>(26 27 26 00-0107)</small>		
			Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0109	EA		1 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	66.47	28.80
26 27 26 00-0110	EA		1 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	71.63	31.27
26 27 26 00-0111	EA		2 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	88.19	37.64
26 27 26 00-0112	EA		2 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	96.87	41.76
26 27 26 00-0113	EA		3 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	151.40	64.60
26 27 26 00-0114	EA		3 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	164.42	70.77
26 27 26 00-0115	EA		4 Gang, 15 Amp, 120/277 Volt, SPST, Switch Assembly.....	172.98	73.03
26 27 26 00-0116	EA		4 Gang, 20 Amp, 120/277 Volt, SPST, Switch Assembly.....	190.34	81.26
26 27 26 00-0117			Switch Components <small>(26 27 26 00-0107)</small>		
26 27 26 00-0118	EA		15 Amp, 120/277 Volt, SPST Switch.....	19.81	8.23
26 27 26 00-0119	EA		15 Amp, 120/277 Volt, 3-Way Switch.....	24.98	10.28
26 27 26 00-0120	EA		15 Amp, 120/277 Volt, 4-Way Switch.....	45.67	16.46
26 27 26 00-0121	EA		15 Amp, 120/277 Volt, DPST Switch.....	21.76	8.23
26 27 26 00-0122	EA		15 Amp, 120/277 Volt, Thermal Switch.....	37.22	10.28
26 27 26 00-0123	EA		20 Amp, 120/277 Volt, SPST Switch.....	24.15	10.28

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 27 Low-Voltage Distribution Equipment



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0124	EA		20 Amp, 120/277 Volt, 3-Way Switch.....	29.58	12.35
26 27 26 00-0125	EA		20 Amp, 120/277 Volt, 4-Way Switch.....	57.26	16.46
26 27 26 00-0126	EA		20 Amp, 120/277 Volt, DPST Switch.....	27.27	10.28
26 27 26 00-0127	EA		20 Amp, 120/277 Volt, DPDT Switch.....	28.66	10.28
26 27 26 00-0128	EA		15 Amp, 120/277 Volt, Single Pole, Momentary Contact Switch, Toggle, Three Position, Center Off.....	46.10	10.30
26 27 26 00-0129	EA		15 Amp, 120/277 Volt, Momentary Contact Switch, Key Operated, Single Pole, Three Position, Center Off.....	57.52	10.30
26 27 26 00-0130	EA		Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	44.90	12.37
26 27 26 00-0131	EA		20 Amp, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off..... Note: Or 250 VAC 10 Amp, double throw BAT handle.	35.74	14.40
26 27 26 00-0132	EA		20 Amp, 125 Volt AC, Double Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	43.01	16.46
26 27 26 00-0133	EA		20 Amp, 125 Volt AC, Three Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	57.28	16.46
26 27 26 00-0134	EA		30 Amp, 120/277 Volt, Single Pole Local Switch.....	47.66	16.48
26 27 26 00-0135	EA		30 Amp, 120/277 Volt, Double Pole Local Switch.....	57.93	16.48
26 27 26 00-0136	EA		30 Amp, 120/277 Volt, Three-Way Local Switch.....	61.31	20.61
26 27 26 00-0137	EA		30 Amp, 120/277 Volt, Four-Way Local Switch.....	84.29	22.67
26 27 26 00-0138	EA		15 Amp, 120/277 Volt, Local Switch With Neon Pilot.....	43.84	13.47
26 27 26 00-0139	EA		15 Amp, 120/277 Volt, Local Switch With Separate Neon Pilot..... Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	59.49	13.47
26 27 26 00-0140	EA		15 Amp, 120 Volt, Single Pole Lighted Toggle Switch, Clear Toggle, Lighted In On Position.....	52.75	13.47
26 27 26 00-0141	EA		15 Amp, 120 Volt, Lighted Toggle Switch, Ivory Toggle, Lighted In Off Position.....	50.42	13.47
26 27 26 00-0142	EA		Automatic Door Switch, Door Open-Light On, 6 Amp, 125 Volt.....	52.24	6.68
26 27 26 00-0143	EA		Automatic Door Switch, Door Closed-Light On, 6 Amp, 125 Volt.....	55.39	6.68
26 27 26 00-0144	EA		15 Amp, 120/277 Volt, Single Pole Momentary Contact Switch, Three Position, Center Off, Toggle.....	61.52	25.72
26 27 26 00-0145	EA		Momentary Contact Switch, Three Position, Center Off, Key Operated..... Note: 15A, 120/277 V, Single Pole	72.94	25.72
26 27 26 00-0146	Specialty Switches (26 27 26 00-0106)				
26 27 26 00-0147	Dimmers With SPST Switch (26 27 26 00-0146)				
26 27 26 00-0148	EA		600 Watt Dimmers With SPST Switch.....	44.27	18.51
26 27 26 00-0149	EA		1,000 Watt Dimmers With SPST Switch.....	66.85	18.51
26 27 26 00-0150	EA		1,500 Watt Dimmers With SPST Switch.....	117.93	29.79
26 27 26 00-0151	EA		2,000 Watt Dimmers With SPST Switch.....	146.74	29.79
26 27 26 00-0152	EA		600 Watt Fluorescent Dimmer Switch.....	85.43	21.97
26 27 26 00-0153	EA		1,000 Watt Fluorescent Dimmer Switch.....	110.23	21.97
26 27 26 00-0154	EA		1,500 Watt Fluorescent Dimmer Switch.....	194.92	33.16
26 27 26 00-0155	EA		Remote Speed Switch For Paddle Fan.....	70.76	27.40
26 27 26 00-0156	EA		600 Watt Combination Remote Speed Switch/Incandescent Dimmer.....	113.70	40.90
26 27 26 00-0157	Time Switches (26 27 26 00-0146)				
26 27 26 00-0158	EA		40 Amp, SPST, 125 Volt, Standard Time Switch.....	75.45	24.69
26 27 26 00-0159	EA		40 Amp, SPST, 277 Volt, Standard Time Switch.....	76.76	24.69
26 27 26 00-0160	EA		40 Amp, DPST, 125 Volt, Standard Time Switch.....	75.45	24.69
26 27 26 00-0161	EA		40 Amp, DPST, 277 Volt, Standard Time Switch.....	76.76	24.69
26 27 26 00-0162	EA		40 Amp, SPST, 125 Volt, 7-Day Time Switch.....	84.15	24.69
26 27 26 00-0163	EA		40 Amp, SPST, 277 Volt, 7-Day Time Switch.....	84.15	24.69
26 27 26 00-0164	EA		40 Amp, DPDT, 125 Volt, 7-Day Time Switch.....	135.45	24.69
26 27 26 00-0165	EA		40 Amp, DPDT, 277 Volt, 7-Day Time Switch.....	135.45	24.69
26 27 26 00-0166	EA		20 Amp, SPST, 125 Volt, Programmable Time Switch.....	118.99	24.69
26 27 26 00-0167	EA		20 Amp, SPST, 277 Volt, Programmable Time Switch.....	129.04	24.69
26 27 26 00-0168	EA		20 Amp, SPST, 277 Volt, Programmable Time Switch - Weatherproof.....	129.04	24.69
26 27 26 00-0169	EA		40 Amp, 4PST, 125 Volt, Astro Dial Time Switch.....	152.79	24.69
26 27 26 00-0170	EA		40 Amp, 4PST, 277 Volt, Astro Dial Time Switch.....	156.79	24.69
26 27 26 00-0171	EA		40 Amp, SPST, 125 Volt, Standard Time Switch - Weatherproof.....	75.45	24.69
26 27 26 00-0172	EA		40 Amp, SPST, 277 Volt, Standard Time Switch - Weatherproof.....	76.76	24.69
26 27 26 00-0173	EA		40 Amp, DPST, 125 Volt, Standard Time Switch - Weatherproof.....	75.45	24.69
26 27 26 00-0174	EA		40 Amp, DPST, 277 Volt, Standard Time Switch - Weatherproof.....	76.76	24.69
26 27 26 00-0175	EA		40 Amp, SPST, 125 Volt, 7-Day Time Switch - Weatherproof.....	84.15	24.69
26 27 26 00-0176	EA		40 Amp, SPST, 277 Volt, 7-Day Time Switch - Weatherproof.....	84.15	24.69
26 27 26 00-0177	EA		40 Amp, DPDT, 125 Volt, 7-Day Time Switch - Weatherproof.....	135.45	24.69
26 27 26 00-0178	EA		40 Amp, DPDT, 277 Volt, 7-Day Time Switch - Weatherproof.....	135.45	24.69
26 27 26 00-0179	EA		40 Amp, 4PST, 125 Volt, Astro Dial Time Switch - Weatherproof.....	152.79	24.69
26 27 26 00-0180	EA		40 Amp, 4PST, 277 Volt, Astro Dial Time Switch - Weatherproof.....	156.79	24.69
26 27 26 00-0181	Low Voltage Switching (26 27 26 00-0146)				
26 27 26 00-0182	EA		36 Pin Male Or Female Connector.....	100.79	8.23
26 27 26 00-0183	Other Switches (26 27 26 00-0146)				
26 27 26 00-0184	EA		Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	26.31	12.35
26 27 26 00-0185	EA		Locking Switch, SPST Concealed Devices.....	77.02	32.91
26 27 26 00-0186	EA		Locking Switch, 3-Way Concealed Devices.....	77.75	32.91
26 27 26 00-0187	EA		Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard.....	81.45	30.78
26 27 26 00-0188	EA		15 Amp Momentary Contact Switch.....	78.60	30.78
26 27 26 00-0189	EA		20 Amp Momentary Contact Switch.....	81.60	30.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0190 EA 2-1/4" Handy Box Cover Units Fuseholder Switch.....	82.54	37.10
26 27 26 00-0191 EA 2-3/4" Handy Box Cover Units Fuseholder Switch.....	83.37	37.10
26 27 26 00-0192 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	102.37	45.34
26 27 26 00-0193 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	93.08	41.21
26 27 26 00-0194 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	93.29	41.21
26 27 26 00-0195 Plates And Covers (26 27 26)		
26 27 26 00-0196 Wall Plates (26 27 26 00-0195)		
26 27 26 00-0197 Nylon Wall Plates (26 27 26 00-0196)		
26 27 26 00-0198 EA 1 Gang Nylon Switch Plate.....	1.19	0.41
26 27 26 00-0199 EA 2 Gang Nylon Switch Plate.....	1.98	0.62
26 27 26 00-0200 EA 3 Gang Nylon Switch Plate.....	2.80	0.82
26 27 26 00-0201 EA 4 Gang Nylon Switch Plate.....	3.96	1.03
26 27 26 00-0202 EA 1 Gang Duplex Nylon Wall Plate.....	1.20	0.41
26 27 26 00-0203 EA 2 Gang Duplex Nylon Wall Plate.....	2.02	0.62
26 27 26 00-0204 Plastic Wall Plates (26 27 26 00-0196)		
26 27 26 00-0205 EA 1 Gang Plastic Switch Plate.....	1.12	0.41
26 27 26 00-0206 EA 2 Gang Plastic Switch Plate.....	1.83	0.62
26 27 26 00-0207 EA 3 Gang Plastic Switch Plate.....	2.56	0.82
26 27 26 00-0208 EA 4 Gang Plastic Switch Plate.....	3.96	1.03
26 27 26 00-0209 EA 1 Gang Duplex Plastic Wall Plate.....	1.12	0.41
26 27 26 00-0210 EA 2 Gang Duplex Plastic Wall Plate.....	1.84	0.62
26 27 26 00-0211 Brass Wall Plates (26 27 26 00-0196)		
26 27 26 00-0212 EA 1 Gang 0.04" Brass Switch Plate.....	10.75	1.86
26 27 26 00-0213 EA 2 Gang 0.04" Brass Switch Plate.....	19.58	2.14
26 27 26 00-0214 EA 3 Gang 0.04" Brass Switch Plate.....	28.32	2.39
26 27 26 00-0215 EA 4 Gang 0.04" Brass Switch Plate.....	43.57	2.60
26 27 26 00-0216 EA 5 Gang 0.04" Brass Switch Plate.....	52.89	2.76
26 27 26 00-0217 EA 6 Gang 0.04" Brass Switch Plate.....	61.09	2.88
26 27 26 00-0218 EA 1 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	10.75	1.86
26 27 26 00-0219 EA 2 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	22.79	2.14
26 27 26 00-0220 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	32.55	2.39
26 27 26 00-0221 Stainless Steel Wall Plates (26 27 26 00-0196)		
26 27 26 00-0222 EA 1 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	6.11	1.86
26 27 26 00-0223 EA 2 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	9.46	2.14
26 27 26 00-0224 EA 3 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	12.95	2.39
26 27 26 00-0225 EA 4 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	18.61	2.60
26 27 26 00-0226 EA 5 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	21.79	2.76
26 27 26 00-0227 EA 6 Gang, 302 Stainless Steel Switch Plate With Satin Finish.....	26.16	2.88
26 27 26 00-0228 EA 1 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	6.62	1.86
26 27 26 00-0229 EA 2 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	10.66	2.14
26 27 26 00-0230 EA 3 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	16.92	2.39
26 27 26 00-0231 EA 4 Gang, 302 Stainless Steel Duplex Receptacle Wall Plate With Satin Finish.....	20.33	2.60
26 27 26 00-0232 Chrome Wall Plates (26 27 26 00-0196)		
26 27 26 00-0233 EA 1 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	20.72	1.86
26 27 26 00-0234 EA 2 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	38.26	2.14
26 27 26 00-0235 EA 3 Gang 0.040" Chrome Switch Plate With Chromium Finish.....	55.75	2.39
26 27 26 00-0236 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate With Chromium Finish.....	20.70	1.86
26 27 26 00-0237 Weatherproof Covers (26 27 26 00-0195)		
26 27 26 00-0238 Stamped Metallic Weatherproof Covers (26 27 26 00-0237)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0239 EA Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	8.18	0.41
26 27 26 00-0240 EA Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	8.86	0.41
26 27 26 00-0241 EA Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	8.86	0.41
26 27 26 00-0242 EA Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	8.86	0.41
26 27 26 00-0243 EA Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	10.87	0.62
26 27 26 00-0244 EA Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	12.34	0.62
26 27 26 00-0245 EA Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	12.49	0.62
26 27 26 00-0246 EA Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	12.49	0.62
26 27 26 00-0247 EA Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	16.97	0.62
26 27 26 00-0248 EA Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	16.09	0.82
26 27 26 00-0249 EA Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	17.59	0.82
26 27 26 00-0250 Cast Metallic Weatherproof Covers (26 27 26 00-0237)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0251 EA Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	10.01	0.41

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0252 EA Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	31.95	0.41
26 27 26 00-0253 EA Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	35.83	0.41
26 27 26 00-0254 EA Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	9.94	0.41
26 27 26 00-0255 EA Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	27.09	0.41
26 27 26 00-0256 EA Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	45.05	0.41
26 27 26 00-0257 EA Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	57.36	0.41
26 27 26 00-0258 EA Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	12.49	0.62
26 27 26 00-0259 EA Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST).....	90.60	0.62
26 27 26 00-0260 EA Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC).....	20.91	0.82
26 27 26 00-0261 EA Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	86.57	0.82
26 27 26 00-0262 Die Cast Aluminum Weatherproof Covers (26 27 26 00-0237)		
Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0263 EA Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027).....	3.51	0.41
26 27 26 00-0264 EA Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	4.50	0.41
26 27 26 00-0265 EA Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	6.04	0.62
26 27 26 00-0266 EA Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	6.55	0.62
26 27 26 00-0267 EA Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042).....	6.55	0.62
26 27 26 00-0268 EA Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043).....	7.29	0.62
26 27 26 00-0269 Heavy Duty Die Cast Aluminum Weatherproof Covers (26 27 26 00-0237)		
Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0270 EA Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	35.57	0.41
26 27 26 00-0271 Polycarbonate Weatherproof Covers (26 27 26 00-0237)		
Note: Includes neoprene gasket.		
26 27 26 00-0272 EA Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.19	0.41
26 27 26 00-0273 EA Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.19	0.41
26 27 26 00-0274 EA Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	7.19	0.41
26 27 26 00-0275 EA Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.90	0.62
26 27 26 00-0276 EA Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775).....	8.90	0.62
26 27 26 00-0277 High Impact Thermoplastic Weatherproof Covers (26 27 26 00-0237)		
Note: Includes neoprene gasket.		
26 27 26 00-0278 EA Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522).....	46.10	0.41
26 27 26 00-0279 Non Metallic (PVC) Weatherproof Covers (26 27 26 00-0237)		
Note: Includes neoprene gasket.		
26 27 26 00-0280 EA Blank Cover, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	727.40	0.41
26 27 26 00-0281 EA Blank Cover, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	749.37	0.62
26 27 26 00-0282 EA Toggle Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	730.00	0.41
26 27 26 00-0283 EA Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,698.41	0.41
26 27 26 00-0284 EA Duplex Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,980.75	0.41
26 27 26 00-0285 EA 20 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,591.51	0.41
26 27 26 00-0286 EA 30 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,166.95	0.41
26 27 26 00-0287 EA 50 Amp Receptacle, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,378.41	0.41
26 27 26 00-0288 EA Plunger Switch, Single Gang, Non Metallic (PVC) Weatherproof Cover.....	1,224.53	0.41
26 27 26 00-0289 EA Double Duplex Receptacle, Two Gang, Non Metallic (PVC) Weatherproof Cover.....	1,758.85	0.62
26 27 26 00-0290 Removal And Reinstallation Of Wiring Devices (26 27 26)		
Note: Includes storage and cleaning.		
26 27 26 00-0291 EA Remove And Reinstall Receptacle, Switch, Outlet Or Special System Device.....	54.14	
26 27 26 00-0292 EA Remove And Reinstall Receptacle Or Switch Outlet Cover Plate.....	6.86	
26 27 26 00-0293 In Line Midget Fuseholders (26 27 26)		
See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0294 EA Single Pole Water Resistant In Line Midget Fuseholder.....	53.53	
26 27 26 00-0295 EA Double Pole Water Resistant In Line Midget Fuseholder.....	113.84	
26 27 26 00-0296 Relay Systems (26 27 26)		
26 27 26 00-0297 EA Relay 2 Position, 10 Amp, 24 Volt Coil.....	57.43	18.51
26 27 26 00-0298 EA Industrial Control Relay 20 Amp, 120 Volt Coil Up To 4 Contacts.....	233.50	61.72
26 27 26 00-0299 EA Industrial Control Relay 20 Amp, 120 Volt Coil 12 Contacts.....	384.88	82.30
26 27 26 00-0300 Limit Switches (26 27 26)		
26 27 26 00-0301 Heavy Duty Precision Oiltight (26 27 26 00-0300)		



Electrical	26	26
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0302 Lever Arm, Plunger, Wobble Stick Type <small>(26 27 26 00-0301)</small>		
26 27 26 00-0303 EA Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amp Rated	268.31	51.85
26 27 73 Door Chimes <small>(26 27)</small>		
26 27 73 00-0001 Door Bell System <small>(26 27 73)</small>		
26 27 73 00-0002 EA Door Bell, Push-button And Transformer - Complete	413.35	171.42
26 27 73 00-0003 EA Visual Flashing Doorbell Indicator, Wire To Existing System - Complete	148.46	41.14
26 27 73 00-0004 EA Replacement Bell/Buzzer - Complete	62.88	20.58
Note: Includes removal of existing.		
26 28 Low-Voltage Circuit Protective Devices <small>(26 20)</small>		
26 28 13 Fuses <small>(26 28)</small>		
26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses <small>(26 28 13)</small>		
26 28 13 00-0002 EA 1 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.34	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0003 EA 2 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	17.01	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0004 EA 3 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.55	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0005 EA 5 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.49	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0006 EA 6 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.91	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0007 EA 8 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	16.09	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0008 EA 10 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	15.89	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0009 EA 15 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.29	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0010 EA 20 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.04	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0011 EA 25 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.51	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0012 EA 30 Amp, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	14.18	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0013 Class RK1, Time Delay Fuses <small>(26 28 13)</small>		
26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0015 EA 1 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	25.24	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0016 EA 2 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.79	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0017 EA 3 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.80	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0018 EA 4 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	24.67	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0019 EA 5 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.66	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0020 EA 10 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	23.05	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0021 EA 15 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.44	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0022 EA 20 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.32	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0023 EA 25 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.45	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0024 EA 30 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	21.29	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0025 EA 35 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.13	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0026 EA 40 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.65	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0027 EA 45 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	28.01	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0028 EA 50 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.71	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0029 EA 60 Amp, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse.....	27.27	5.92
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.95	
26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small>		
26 28 13 00-0031 EA 70 Amp, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse.....	48.74	7.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0072	EA		300 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	278.45 8.15	12.26
26 28 13 00-0073	EA		350 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	313.09 8.15	12.26
26 28 13 00-0074	EA		400 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	284.34 8.15	12.26
26 28 13 00-0075	EA		450 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	505.02 8.15	12.26
26 28 13 00-0076	EA		500 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	452.18 9.87	14.81
26 28 13 00-0077	EA		600 Amp, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.50 9.87	14.81
26 28 13 00-0078			600 Volt AC, Class CC Midget Fuses ^(26 28 13) Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.55 3.95	5.92
26 28 13 00-0080	EA		2 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.94 3.95	5.92
26 28 13 00-0081	EA		3 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.83 3.95	5.92
26 28 13 00-0082	EA		5 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.71 3.95	5.92
26 28 13 00-0083	EA		6 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.52 3.95	5.92
26 28 13 00-0084	EA		8 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.61 3.95	5.92
26 28 13 00-0085	EA		10 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.03 3.95	5.92
26 28 13 00-0086	EA		15 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.72 3.95	5.92
26 28 13 00-0087	EA		20 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.24 3.95	5.92
26 28 13 00-0088	EA		25 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.15 3.95	5.92
26 28 13 00-0089	EA		30 Amp, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.08 3.95	5.92
26 28 13 00-0090			200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse ^(26 28 13)		
26 28 13 00-0091	EA		1 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.62 2.47	4.12
26 28 13 00-0092	EA		3 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.87 2.47	4.12
26 28 13 00-0093	EA		6 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.76 2.96	4.94
26 28 13 00-0094	EA		10 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.22 3.71	6.17
26 28 13 00-0095	EA		15 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.82 3.71	6.17
26 28 13 00-0096	EA		20 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.28 3.71	6.17
26 28 13 00-0097	EA		25 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.02 4.94	8.23
26 28 13 00-0098	EA		30 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.97 4.94	8.23
26 28 13 00-0099	EA		35 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.56 4.94	8.23
26 28 13 00-0100	EA		40 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.78 4.94	8.23
26 28 13 00-0101	EA		45 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.37 4.94	8.23
26 28 13 00-0102	EA		50 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.54 6.17	10.28
26 28 13 00-0103	EA		60 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.70 6.17	10.28
26 28 13 00-0104	EA		70 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.49 7.41	12.35
26 28 13 00-0105	EA		80 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.11 7.41	12.35
26 28 13 00-0106	EA		90 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.93 7.41	12.35
26 28 13 00-0107	EA		100 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.79 8.64	14.40
26 28 13 00-0108	EA		110 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.96 8.64	14.40
26 28 13 00-0109	EA		125 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.37 8.64	14.40
26 28 13 00-0110	EA		150 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.38 9.88	16.46
26 28 13 00-0111	EA		175 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131.17 9.88	16.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28	13 00-0112	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.17 9.88	16.46
26 28	13 00-0113	EA	225 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	267.26 9.88	16.46
26 28	13 00-0114	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.65 9.88	16.46
26 28	13 00-0115	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	228.79 9.88	16.46
26 28	13 00-0116	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	248.86 9.88	16.46
26 28	13 00-0117	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.69 11.11	18.51
26 28	13 00-0118	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	431.71 11.11	18.51
26 28	13 00-0119	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	368.63 12.35	20.58
26 28	13 00-0120	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.60 12.35	20.58
26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses <small>(26 28 13)</small>					
26 28	13 00-0122	EA	100 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	814.56 6.17	10.28
26 28	13 00-0123	EA	150 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	816.16 6.17	10.28
26 28	13 00-0124	EA	200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	817.65 6.17	10.28
26 28	13 00-0125	EA	250 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	816.04 7.41	12.35
26 28	13 00-0126	EA	300 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	752.03 7.41	12.35
26 28	13 00-0127	EA	350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	805.26 8.64	14.40
26 28	13 00-0128	EA	400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	741.72 8.64	14.40
26 28	13 00-0129	EA	450 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	828.74 8.64	14.40
26 28	13 00-0130	EA	500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	812.70 8.64	14.40
26 28	13 00-0131	EA	600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	724.65 9.87	16.46
26 28	13 00-0132	EA	601 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	743.93 9.87	16.46
26 28	13 00-0133	EA	650 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	986.33 9.87	16.46
26 28	13 00-0134	EA	700 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	721.15 9.87	16.46
26 28	13 00-0135	EA	750 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,103.97 11.11	18.51
26 28	13 00-0136	EA	800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.85 11.11	18.51
26 28	13 00-0137	EA	900 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	930.05 11.11	18.51
26 28	13 00-0138	EA	1,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	629.25 11.11	18.51
26 28	13 00-0139	EA	1,200 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	647.69 11.11	18.51
26 28	13 00-0140	EA	1,350 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,428.33 11.11	18.51
26 28	13 00-0141	EA	1,400 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,408.40 11.11	18.51
26 28	13 00-0142	EA	1,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,271.62 11.11	18.51
26 28	13 00-0143	EA	1,600 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.07 12.34	20.58
26 28	13 00-0144	EA	1,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,681.71 12.34	20.58
26 28	13 00-0145	EA	2,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,080.41 12.34	20.58
26 28	13 00-0146	EA	2,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,456.83 12.34	20.58
26 28	13 00-0147	EA	2,501 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,474.35 12.34	20.58
26 28	13 00-0148	EA	3,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,623.91 13.58	22.63
26 28	13 00-0149	EA	3,500 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,345.76 13.58	22.63
26 28	13 00-0150	EA	3,800 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,880.37 13.58	22.63
26 28	13 00-0151	EA	4,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,248.71 13.58	22.63
26 28	13 00-0152	EA	5,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,542.06 13.58	22.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0153 EA 6,000 Amp, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,855.85 13.58	22.63
26 28 16 Enclosed Switches And Circuit Breakers (26 28)		
26 28 16 00-0001 Motor And Circuit Disconnects (26 28 16) Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 00-0002 Safety Switches, NEMA 1 Enclosure, Neutral Kit (26 28 16 00-0001)		
26 28 16 00-0003 Heavy Duty Fusible Switches (26 28 16 00-0002) Note: Includes fuses and neutral bar.		
26 28 16 00-0004 240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0005 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 2 Pole	286.19	82.30
26 28 16 00-0006 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	441.55	99.16
26 28 16 00-0007 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	601.32	116.03
26 28 16 00-0008 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,031.17	182.69
26 28 16 00-0009 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,164.10	283.91
26 28 16 00-0010 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,599.01	419.69
26 28 16 00-0011 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,888.26	493.75
26 28 16 00-0012 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	6,539.34	576.05
26 28 16 00-0013 600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0014 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	426.32	91.43
26 28 16 00-0015 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	514.32	110.19
26 28 16 00-0016 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	805.24	128.79
26 28 16 00-0017 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,194.14	203.26
26 28 16 00-0018 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,570.60	315.34
26 28 16 00-0019 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	4,000.23	466.10
26 28 16 00-0020 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	5,876.91	548.32
26 28 16 00-0021 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,999.29	640.07
26 28 16 00-0022 240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0023 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	410.52	129.20
26 28 16 00-0024 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	599.65	171.58
26 28 16 00-0025 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	796.35	190.51
26 28 16 00-0026 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,258.85	298.31
26 28 16 00-0027 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,579.36	489.64
26 28 16 00-0028 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,164.90	685.91
26 28 16 00-0029 600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0030 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	529.18	142.78
26 28 16 00-0031 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	675.03	190.51
26 28 16 00-0032 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	976.37	214.37
26 28 16 00-0033 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,440.66	326.70
26 28 16 00-0034 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,153.69	527.49
26 28 16 00-0035 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,051.01	762.03
26 28 16 00-0036 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,952.99	905.21
26 28 16 00-0037 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	10,130.76	1,028.65
26 28 16 00-0038 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0039 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	398.84	129.20
26 28 16 00-0040 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	584.56	171.58
26 28 16 00-0041 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	768.89	190.51
26 28 16 00-0042 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,296.62	298.31
26 28 16 00-0043 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,792.18	489.64
26 28 16 00-0044 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,485.09	685.91
26 28 16 00-0045 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,348.72	864.07
26 28 16 00-0046 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	9,040.42	987.51
26 28 16 00-0047 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0003)		
26 28 16 00-0048 EA 30 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	572.03	142.78
26 28 16 00-0049 EA 60 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	727.69	190.51
26 28 16 00-0050 EA 100 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,053.37	214.37
26 28 16 00-0051 EA 200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,555.93	326.70
26 28 16 00-0052 EA 400 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,399.62	527.49
26 28 16 00-0053 EA 600 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,485.37	762.03
26 28 16 00-0054 EA 800 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,674.13	905.21
26 28 16 00-0055 EA 1,200 Amp, Fused Disconnect Switch, NEMA 1, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	10,909.74	1,028.65
26 28 16 00-0056 Heavy Duty Non-Fusible Switches (26 28 16 00-0002)		
26 28 16 00-0057 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0056)		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0058 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	278.80	119.08
26 28 16 00-0059 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	429.38	165.65
26 28 16 00-0060 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	584.48	190.51
26 28 16 00-0061 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	916.77	304.81
26 28 16 00-0062 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,828.99	507.98
26 28 16 00-0063 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,963.87	692.73
26 28 16 00-0064 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	4,202.95	822.92
26 28 16 00-0065 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	5,525.64	960.43
26 28 16 00-0066 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0066)		
26 28 16 00-0067 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	307.93	131.42
26 28 16 00-0068 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	485.88	185.90
26 28 16 00-0069 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	659.92	211.66
26 28 16 00-0070 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,024.68	331.31
26 28 16 00-0071 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,967.70	544.28
26 28 16 00-0072 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	3,277.85	761.95
26 28 16 00-0073 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	4,643.77	822.92
26 28 16 00-0074 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	6,129.33	960.43
26 28 16 00-0075 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0075)		
26 28 16 00-0076 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	328.52	106.98
26 28 16 00-0077 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	498.54	148.95
26 28 16 00-0078 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	664.01	171.58
26 28 16 00-0079 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,044.67	274.45
26 28 16 00-0080 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,065.06	457.13
26 28 16 00-0081 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,296.31	623.36
26 28 16 00-0082 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	5,576.81	740.63
26 28 16 00-0083 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	7,238.23	864.07
26 28 16 00-0084 480 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0084)		
26 28 16 00-0085 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	358.80	118.09
26 28 16 00-0086 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	549.20	167.47
26 28 16 00-0087 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	725.04	190.51
26 28 16 00-0088 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,127.80	298.31
26 28 16 00-0089 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	2,212.56	489.64
26 28 16 00-0090 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	3,567.39	685.91
26 28 16 00-0091 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	5,868.28	740.63
26 28 16 00-0092 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0092)		
26 28 16 00-0093 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	380.55	118.26
26 28 16 00-0094 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	586.28	167.30
26 28 16 00-0095 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	785.35	190.51
26 28 16 00-0096 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,220.69	298.14
26 28 16 00-0097 EA 400 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,342.50	489.80
26 28 16 00-0098 EA 600 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,951.96	685.75
26 28 16 00-0099 EA 800 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	6,307.47	740.63
26 28 16 00-0100 EA 1,200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	8,221.83	864.07
26 28 16 00-0101 240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0101)		
26 28 16 00-0102 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	537.38	107.14
26 28 16 00-0103 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	655.18	149.12
26 28 16 00-0104 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	987.09	171.42
26 28 16 00-0105 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,486.54	274.28
26 28 16 00-0106 480 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0106)		
26 28 16 00-0107 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	582.64	118.09
26 28 16 00-0108 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	717.06	167.47
26 28 16 00-0109 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,071.22	190.51
26 28 16 00-0110 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase.....	1,601.25	298.31
26 28 16 00-0111 600 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0111)		
26 28 16 00-0112 EA 30 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	643.17	118.26
26 28 16 00-0113 EA 60 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	783.82	167.30
26 28 16 00-0114 EA 100 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,191.27	190.51
26 28 16 00-0115 EA 200 Amp, Non-Fused, NEMA 1, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,776.13	298.14
26 28 16 00-0116 General Duty Fusible Switches (26 28 16 00-0002)		
Note: Includes fuses and neutral bar.		
26 28 16 00-0117 240 Volt Class, 2 Wire, 1 Blade And Fuseholder (26 28 16 00-0116)		
26 28 16 00-0118 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	202.99	71.59
26 28 16 00-0119 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	273.24	86.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0120 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	410.62	100.73
26 28 16 00-0121 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	751.68	158.91
26 28 16 00-0122 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,747.84	246.47
26 28 16 00-0123 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	3,239.46	364.80
26 28 16 00-0124 240 Volt Class, 3 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0116)</small>		
26 28 16 00-0125 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	284.66	112.49
26 28 16 00-0126 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	398.86	149.12
26 28 16 00-0127 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	540.45	165.65
26 28 16 00-0128 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	953.19	259.30
26 28 16 00-0129 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,108.39	425.94
26 28 16 00-0130 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,705.64	596.29
26 28 16 00-0131 240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0116)</small>		
26 28 16 00-0132 EA 30 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	312.90	112.49
26 28 16 00-0133 EA 60 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	444.39	149.12
26 28 16 00-0134 EA 100 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	581.89	165.65
26 28 16 00-0135 EA 200 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	1,057.57	259.30
26 28 16 00-0136 EA 400 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	2,286.80	425.94
26 28 16 00-0137 EA 600 Amp, Fused Disconnect Switch, NEMA 1, General Duty, With Fuses, 240 Volt, 3 Phase.....	3,818.74	596.29
26 28 16 00-0138 General Duty Non-Fusible Switches <small>(26 28 16 00-0002)</small>		
26 28 16 00-0139 240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0138)</small>		
26 28 16 00-0140 EA 60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	277.91	99.57
26 28 16 00-0141 EA 100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	364.42	114.47
26 28 16 00-0142 EA 200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	800.03	182.93
26 28 16 00-0143 EA 400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,689.09	304.48
26 28 16 00-0144 EA 600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,889.89	414.92
26 28 16 00-0145 240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0138)</small>		
26 28 16 00-0146 EA 30 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	262.27	93.15
26 28 16 00-0147 EA 60 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	359.97	129.61
26 28 16 00-0148 EA 100 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	532.88	149.12
26 28 16 00-0149 EA 200 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	911.70	238.57
26 28 16 00-0150 EA 400 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,875.91	397.64
26 28 16 00-0151 EA 600 Amp, Non-Fused, NEMA 1, General Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,145.29	541.97
26 28 16 00-0152 Safety Switches, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs <small>(26 28 16 00-0001)</small>		
26 28 16 00-0153 Heavy Duty Fusible Switches <small>(26 28 16 00-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0154 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0155 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	412.96	96.70
26 28 16 00-0156 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	645.40	116.03
26 28 16 00-0157 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	803.58	134.96
26 28 16 00-0158 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	1,178.74	205.73
26 28 16 00-0159 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	2,566.37	329.17
26 28 16 00-0160 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	4,455.84	439.03
26 28 16 00-0161 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	6,630.52	493.75
26 28 16 00-0162 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole.....	8,762.18	576.05
26 28 16 00-0163 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0164 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	699.27	128.87
26 28 16 00-0165 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	834.05	158.00
26 28 16 00-0166 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,170.75	181.46
26 28 16 00-0167 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	1,654.55	272.14
26 28 16 00-0168 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	3,555.77	445.28
26 28 16 00-0169 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	6,475.99	612.34
26 28 16 00-0170 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	9,461.81	705.08
26 28 16 00-0171 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 1 Phase.....	10,428.32	793.71
26 28 16 00-0172 240 Volt Class, 3 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0173 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	535.64	152.24
26 28 16 00-0174 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	837.97	201.61
26 28 16 00-0175 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,003.29	221.37
26 28 16 00-0176 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,492.19	342.74
26 28 16 00-0177 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,175.17	571.52
26 28 16 00-0178 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	5,238.20	762.03
26 28 16 00-0179 600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0153)</small>		
26 28 16 00-0180 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	803.76	180.47

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0181 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	960.79	221.20
26 28 16 00-0182 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,273.48	253.95
26 28 16 00-0183 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,853.60	381.01
26 28 16 00-0184 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,848.92	623.45
26 28 16 00-0185 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	6,870.48	857.24
26 28 16 00-0186 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,656.83	987.51
26 28 16 00-0187 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,538.08	1,110.94
26 28 16 00-0188 240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0189 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	583.53	152.24
26 28 16 00-0190 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	839.35	201.61
26 28 16 00-0191 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,070.63	221.37
26 28 16 00-0192 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,537.10	342.74
26 28 16 00-0193 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,216.37	571.52
26 28 16 00-0194 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	5,691.34	762.03
26 28 16 00-0195 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,375.14	864.07
26 28 16 00-0196 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 240 Volt, 3 Phase	11,659.11	987.51
26 28 16 00-0197 600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0153)		
26 28 16 00-0198 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	831.23	180.63
26 28 16 00-0199 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	991.68	221.37
26 28 16 00-0200 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,342.13	253.87
26 28 16 00-0201 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,898.23	381.01
26 28 16 00-0202 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,010.26	623.36
26 28 16 00-0203 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	7,055.85	857.07
26 28 16 00-0204 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	10,240.54	987.51
26 28 16 00-0205 EA 1,200 Amp, Fused Disconnect Switch, NEMA 3R, Heavy Duty, With Fuses, 600 Volt, 3 Phase	12,307.48	1,110.94
26 28 16 00-0206 Heavy Duty Non-Fusible Switches (26 28 16 00-0152)		
26 28 16 00-0207 240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0206)		
26 28 16 00-0208 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	389.88	84.68
26 28 16 00-0209 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	630.32	117.26
26 28 16 00-0210 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	822.86	134.46
26 28 16 00-0211 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,106.44	217.74
26 28 16 00-0212 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,427.03	363.24
26 28 16 00-0213 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	4,372.63	484.29
26 28 16 00-0214 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	6,974.17	576.29
26 28 16 00-0215 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	9,176.25	658.58
26 28 16 00-0216 600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0206)		
26 28 16 00-0217 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	438.36	93.32
26 28 16 00-0218 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	713.65	130.59
26 28 16 00-0219 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	927.84	147.47
26 28 16 00-0220 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,224.09	228.61
26 28 16 00-0221 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,745.10	381.01
26 28 16 00-0222 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	4,716.51	507.98
26 28 16 00-0223 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	7,434.50	603.69
26 28 16 00-0224 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,777.85	685.75
26 28 16 00-0225 240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)		
26 28 16 00-0226 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	474.55	126.98
26 28 16 00-0227 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	747.54	175.86
26 28 16 00-0228 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	957.32	201.69
26 28 16 00-0229 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,324.14	326.62
26 28 16 00-0230 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,824.74	544.78
26 28 16 00-0231 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	4,924.45	726.23
26 28 16 00-0232 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	7,625.89	864.07
26 28 16 00-0233 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	10,049.52	987.51
26 28 16 00-0234 480 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)		
26 28 16 00-0235 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	516.22	139.90
26 28 16 00-0236 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	816.00	195.94
26 28 16 00-0237 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,035.92	221.20
26 28 16 00-0238 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	1,404.74	342.91
26 28 16 00-0239 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	3,001.95	571.44
26 28 16 00-0240 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	5,243.45	761.95
26 28 16 00-0241 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	8,129.29	905.21
26 28 16 00-0242 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 480 Volt, 3 Phase	10,707.22	1,028.65
26 28 16 00-0243 600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0206)		
26 28 16 00-0244 EA 30 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	297.77	139.90
26 28 16 00-0245 EA 60 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	844.26	195.94



Electrical	26
Low-Voltage Electrical Distribution	26 20
Low-Voltage Circuit Protective Devices	26 28

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0246 EA 100 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,075.32	221.20
26 28 16 00-0247 EA 200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,452.68	342.91
26 28 16 00-0248 EA 400 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,126.08	571.44
26 28 16 00-0249 EA 600 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	5,224.48	761.95
26 28 16 00-0250 EA 800 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	8,118.66	905.21
26 28 16 00-0251 EA 1,200 Amp, Non-Fused, NEMA 3R, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	10,692.76	1,028.65
26 28 16 00-0252	General Duty Fusible Switches (26 28 16 00-0152)	
Note: With fuses, neutral bar, and hub if required.		
26 28 16 00-0253	240 Volt Class, 2 Wire, 1 Blade And Fuseholder (26 28 16 00-0252)	
26 28 16 00-0254 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	260.08	84.10
26 28 16 00-0255 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	361.62	100.89
26 28 16 00-0256 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	471.06	117.34
26 28 16 00-0257 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	947.50	178.90
26 28 16 00-0258 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,272.43	286.22
26 28 16 00-0259 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,990.17	381.84
26 28 16 00-0260	240 Volt Class, 3 Wire, 2 Blades And Fuseholders (26 28 16 00-0252)	
26 28 16 00-0261 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	357.31	132.57
26 28 16 00-0262 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Heavy Duty, With Fuses, 240 Volt, 3 Phase	510.82	175.37
26 28 16 00-0263 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	620.82	192.40
26 28 16 00-0264 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,186.61	298.14
26 28 16 00-0265 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,695.02	496.88
26 28 16 00-0266 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,557.63	662.78
26 28 16 00-0267	240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0252)	
26 28 16 00-0268 EA 30 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	396.87	132.49
26 28 16 00-0269 EA 60 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	550.57	175.37
26 28 16 00-0270 EA 100 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	748.64	192.40
26 28 16 00-0271 EA 200 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	1,269.14	298.14
26 28 16 00-0272 EA 400 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	2,748.04	496.96
26 28 16 00-0273 EA 600 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	4,971.22	662.78
26 28 16 00-0274 EA 800 Amp, Fused Disconnect Switch, NEMA 3R, General Duty, With Fuses, 240 Volt, 3 Phase	7,045.37	750.83
26 28 16 00-0275	General Duty Non-Fusible Switches (26 28 16 00-0152)	
26 28 16 00-0276	240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0275)	
26 28 16 00-0277 EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	234.00	73.66
26 28 16 00-0278 EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	377.41	101.96
26 28 16 00-0279 EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	399.64	116.93
26 28 16 00-0280 EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	968.64	189.28
26 28 16 00-0281 EA 400 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	2,332.02	315.84
26 28 16 00-0282 EA 600 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 1 Phase	4,070.53	421.09
26 28 16 00-0283	240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0275)	
26 28 16 00-0284 EA 30 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	364.82	110.44
26 28 16 00-0285 EA 60 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	523.37	152.89
26 28 16 00-0286 EA 100 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	751.78	175.37
26 28 16 00-0287 EA 200 Amp, Non-Fused, NEMA 3R, General Duty Disconnect Switch, 240 Volt, 3 Phase	1,287.20	283.99
26 28 16 00-0288	Safety Switches, NEMA 4, 4X Or 5 Enclosure, Neutral Kit (26 28 16 00-0001)	
26 28 16 00-0289	Heavy Duty Fusible Switches (26 28 16 00-0288)	
Note: With fuses and neutral bar (stainless steel).		
26 28 16 00-0290	240 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0289)	
26 28 16 00-0291 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,044.53	82.30
26 28 16 00-0292 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,254.84	99.16
26 28 16 00-0293 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,534.32	115.87
26 28 16 00-0294 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	3,511.98	182.85
26 28 16 00-0295 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	7,113.57	283.74
26 28 16 00-0296 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	10,228.68	419.53
26 28 16 00-0297	600 Volt Class, 2 Wire, 2 Blades And Fuseholders (26 28 16 00-0289)	
26 28 16 00-0298 EA 30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,321.67	91.43
26 28 16 00-0299 EA 60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,472.27	110.11
26 28 16 00-0300 EA 100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	2,741.11	128.70
26 28 16 00-0301 EA 200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,880.35	203.26
26 28 16 00-0302 EA 400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	7,393.70	315.51
26 28 16 00-0303 EA 600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	10,605.58	466.10
26 28 16 00-0304	240 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)	

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 28	Low-Voltage Circuit Protective Devices



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 28 16 00-0305	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,184.76		129.36
26 28 16 00-0306	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,487.72		171.42
26 28 16 00-0307	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,797.45		190.51
26 28 16 00-0308	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,984.81		298.14
26 28 16 00-0309	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	7,742.30		489.80
26 28 16 00-0310	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	11,044.95		685.75
26 28 16 00-0311		600 Volt Class, 3 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)			
26 28 16 00-0312	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,428.08		142.86
26 28 16 00-0313	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,636.89		190.51
26 28 16 00-0314	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,919.99		214.29
26 28 16 00-0315	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,137.70		326.54
26 28 16 00-0316	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	8,002.26		527.49
26 28 16 00-0317	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	11,390.25		761.95
26 28 16 00-0318		240 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)			
26 28 16 00-0319	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,408.67		129.36
26 28 16 00-0320	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,767.63		171.42
26 28 16 00-0321	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	3,357.54		190.51
26 28 16 00-0322	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,750.71		298.14
26 28 16 00-0323	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	9,249.70		489.80
26 28 16 00-0324	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 240 Volt, 3 Phase	13,116.48		685.75
26 28 16 00-0325		600 Volt Class, 4 Wire, 3 Blades And Fuseholders (26 28 16 00-0289)			
26 28 16 00-0326	EA	30 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,692.66		142.86
26 28 16 00-0327	EA	60 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,936.91		190.51
26 28 16 00-0328	EA	100 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,491.70		214.29
26 28 16 00-0329	EA	200 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,910.01		326.54
26 28 16 00-0330	EA	400 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	9,530.00		527.49
26 28 16 00-0331	EA	600 Amp, Fused Disconnect Switch, NEMA 4, 4X Or 5, Heavy Duty, With Fuses, 600 Volt, 3 Phase	13,490.02		761.95
26 28 16 00-0332		Heavy Duty Stainless Steel Non-Fusible Switches (26 28 16 00-0288)			
26 28 16 00-0333		240 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0332)			
26 28 16 00-0334	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,003.21		82.30
26 28 16 00-0335	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	1,225.45		114.47
26 28 16 00-0336	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	2,281.35		131.67
26 28 16 00-0337	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	3,173.68		210.33
26 28 16 00-0338	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	5,767.93		350.24
26 28 16 00-0339	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase	8,253.62		477.13
26 28 16 00-0340		600 Volt Class, 2 Wire, 2 Blades (26 28 16 00-0332)			
26 28 16 00-0341	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,140.05		90.76
26 28 16 00-0342	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	1,395.48		128.38
26 28 16 00-0343	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	2,598.89		146.32
26 28 16 00-0344	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	3,603.52		228.61
26 28 16 00-0345	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	6,543.86		376.24
26 28 16 00-0346	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase	9,395.57		526.67
26 28 16 00-0347		240 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0332)			
26 28 16 00-0348	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,052.93		107.14
26 28 16 00-0349	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,278.76		149.12
26 28 16 00-0350	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,339.33		171.42
26 28 16 00-0351	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	2,566.62		274.28
26 28 16 00-0352	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,667.32		457.21
26 28 16 00-0353	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	8,786.61		623.45
26 28 16 00-0354		600 Volt Class, 3 Wire, 3 Blades (26 28 16 00-0332)			
26 28 16 00-0355	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,194.91		118.26
26 28 16 00-0356	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,473.32		167.30
26 28 16 00-0357	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,687.26		190.51
26 28 16 00-0358	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,742.56		298.14
26 28 16 00-0359	EA	400 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	7,440.43		489.80
26 28 16 00-0360	EA	600 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	9,988.41		685.75
26 28 16 00-0361		240 Volt Class, 4 Wire, 4 Blades (26 28 16 00-0332)			
26 28 16 00-0362	EA	30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,435.72		107.14
26 28 16 00-0363	EA	60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	1,727.75		149.12
26 28 16 00-0364	EA	100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	3,838.40		171.42
26 28 16 00-0365	EA	200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase	5,859.32		274.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0366 600 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0332)</small>		
26 28 16 00-0367 EA 30 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,632.38	118.26
26 28 16 00-0368 EA 60 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,968.34	167.30
26 28 16 00-0369 EA 100 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,375.86	190.51
26 28 16 00-0370 EA 200 Amp, Non-Fused, NEMA 4, 4X Or 5, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	6,665.70	298.14
26 28 16 00-0371 Fiberglass Reinforced Polyester Enclosures <small>(26 28 16 00-0288)</small>		
26 28 16 00-0372 600 Volt Class, 3 Pole, Fusible <small>(26 28 16 00-0371)</small>		
26 28 16 00-0373 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	1,899.98	142.78
26 28 16 00-0374 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,174.09	190.51
26 28 16 00-0375 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	3,869.17	214.37
26 28 16 00-0376 EA 200 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	5,050.59	326.70
26 28 16 00-0377 600 Volt Class, 3 Pole, Non-Fusible <small>(26 28 16 00-0371)</small>		
26 28 16 00-0378 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	1,774.50	118.09
26 28 16 00-0379 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,043.86	167.47
26 28 16 00-0380 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	3,654.00	190.51
26 28 16 00-0381 EA 200 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,978.71	298.31
26 28 16 00-0382 Krydon Enclosures <small>(26 28 16 00-0288)</small>		
26 28 16 00-0383 600 Volt Class, 3 Pole, Fusible <small>(26 28 16 00-0382)</small>		
26 28 16 00-0384 EA 30 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,166.38	142.78
26 28 16 00-0385 EA 60 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	2,472.18	190.51
26 28 16 00-0386 EA 100 Amp, Fused Disconnect Switch, NEMA 4X, Heavy Duty, With Fuses, 600 Volt, 3 Phase	4,432.91	214.37
26 28 16 00-0387 600 Volt Class, 3 Pole, Non-Fusible <small>(26 28 16 00-0382)</small>		
26 28 16 00-0388 EA 30 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,026.56	118.09
26 28 16 00-0389 EA 60 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	2,326.10	167.47
26 28 16 00-0390 EA 100 Amp, Non-Fused, NEMA 4X, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase	4,195.10	190.51
26 28 16 00-0391 Safety Switches, NEMA 7 Or 9 Enclosures, Neutral Kit <small>(26 28 16 00-0001)</small>		
<small>Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.</small>		
26 28 16 00-0392 Heavy Duty Fusible Switches <small>(26 28 16 00-0391)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 00-0393 EA 30 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,728.95	164.58
26 28 16 00-0394 EA 60 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	1,791.64	195.94
26 28 16 00-0395 EA 100 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	2,169.64	221.20
26 28 16 00-0396 EA 200 Amp, Fused Disconnect Switch, NEMA 7 - 9, Heavy Duty, With Fuses, 240 Volt, 3 Phase	4,565.86	342.91
26 28 16 00-0397 Heavy Duty Non-Fusible Switch <small>(26 28 16 00-0391)</small>		
26 28 16 00-0398 EA 60 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	1,363.43	195.94
26 28 16 00-0399 EA 100 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	1,593.18	221.20
26 28 16 00-0400 EA 200 Amp, Non-Fused, NEMA 7 - 9, Heavy Duty Disconnect Switch, With Fuses, 240 Volt, 3 Phase.....	2,909.67	342.91
26 28 16 00-0401 Safety Switches, NEMA 12 Enclosure, Neutral Kit <small>(26 28 16 00-0001)</small>		
26 28 16 00-0402 Heavy Duty Fusible Switches <small>(26 28 16 00-0401)</small>		
<small>Note: With fuses and neutral bar.</small>		
26 28 16 00-0403 240 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0404 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	396.98	82.30
26 28 16 00-0405 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	515.91	99.16
26 28 16 00-0406 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	698.15	116.03
26 28 16 00-0407 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	1,173.72	182.69
26 28 16 00-0408 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	2,472.73	283.91
26 28 16 00-0409 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 1 Phase, 2 Pole	4,436.60	419.69
26 28 16 00-0410 600 Volt Class, 2 Wire, 2 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0411 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	611.97	91.35
26 28 16 00-0412 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	635.76	110.27
26 28 16 00-0413 EA 100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	906.77	128.79
26 28 16 00-0414 EA 200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	1,419.26	203.26
26 28 16 00-0415 EA 400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	3,058.06	315.18
26 28 16 00-0416 EA 600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 1 Phase, 2 Pole	6,001.68	466.18
26 28 16 00-0417 240 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>		
26 28 16 00-0418 EA 30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	556.25	129.20
26 28 16 00-0419 EA 60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase	768.18	171.58

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 28 Low-Voltage Circuit Protective Devices



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0420	EA		100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,035.57	190.51
26 28 16 00-0421	EA		200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,543.74	298.31
26 28 16 00-0422	EA		400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,001.58	489.64
26 28 16 00-0423	EA		600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,788.57	685.91
26 28 16 00-0424	600 Volt Class, 3 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>				
26 28 16 00-0425	EA		30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	732.00	142.78
26 28 16 00-0426	EA		60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	837.54	190.51
26 28 16 00-0427	EA		100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,214.72	214.37
26 28 16 00-0428	EA		200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,772.20	326.70
26 28 16 00-0429	EA		400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,667.39	527.49
26 28 16 00-0430	EA		600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	6,831.03	762.03
26 28 16 00-0431	240 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>				
26 28 16 00-0432	EA		30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	591.77	129.20
26 28 16 00-0433	EA		60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	792.58	171.58
26 28 16 00-0434	EA		100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,112.17	190.51
26 28 16 00-0435	EA		200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	1,639.90	298.31
26 28 16 00-0436	EA		400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	3,259.05	489.64
26 28 16 00-0437	EA		600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 240 Volt, 3 Phase.....	4,962.51	685.91
26 28 16 00-0438	600 Volt Class, 4 Wire, 3 Blades And Fuseholders <small>(26 28 16 00-0402)</small>				
26 28 16 00-0439	EA		30 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	773.18	142.78
26 28 16 00-0440	EA		60 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	947.40	190.51
26 28 16 00-0441	EA		100 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,290.25	214.37
26 28 16 00-0442	EA		200 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	1,916.38	326.70
26 28 16 00-0443	EA		400 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	3,900.81	527.49
26 28 16 00-0444	EA		600 Amp, Fused Disconnect Switch, NEMA 12, Heavy Duty, With Fuses, 600 Volt, 3 Phase.....	7,023.26	762.03
26 28 16 00-0445	Heavy Duty Non-Fusible Switches <small>(26 28 16 00-0401)</small>				
26 28 16 00-0446	240 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0445)</small>				
26 28 16 00-0447	EA		30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	414.26	118.91
26 28 16 00-0448	EA		60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	550.95	165.81
26 28 16 00-0449	EA		100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	724.65	190.51
26 28 16 00-0450	EA		200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	1,040.09	304.90
26 28 16 00-0451	EA		400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	2,254.72	508.16
26 28 16 00-0452	EA		600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 1 Phase.....	3,547.85	692.90
26 28 16 00-0453	600 Volt Class, 2 Wire, 2 Blades <small>(26 28 16 00-0445)</small>				
26 28 16 00-0454	EA		30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	461.49	131.26
26 28 16 00-0455	EA		60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	612.65	185.98
26 28 16 00-0456	EA		100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	807.54	211.49
26 28 16 00-0457	EA		200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,130.10	331.23
26 28 16 00-0458	EA		400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	2,388.98	544.37
26 28 16 00-0459	EA		600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	3,919.78	762.03
26 28 16 00-0460	240 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0445)</small>				
26 28 16 00-0461	EA		30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	533.86	106.98
26 28 16 00-0462	EA		60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	704.59	148.95
26 28 16 00-0463	EA		100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	930.81	171.58
26 28 16 00-0464	EA		200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,336.66	274.45
26 28 16 00-0465	EA		400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	2,782.85	457.13
26 28 16 00-0466	EA		600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	4,364.87	623.36
26 28 16 00-0467	600 Volt Class, 3 Wire, 3 Blades <small>(26 28 16 00-0445)</small>				
26 28 16 00-0468	EA		30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	526.20	118.09
26 28 16 00-0469	EA		60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	763.62	167.47
26 28 16 00-0470	EA		100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	998.88	190.51
26 28 16 00-0471	EA		200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,327.51	298.31
26 28 16 00-0472	EA		400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	2,802.49	489.64
26 28 16 00-0473	EA		600 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	5,181.95	685.91
26 28 16 00-0474	240 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0445)</small>				
26 28 16 00-0475	EA		30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	635.48	106.98
26 28 16 00-0476	EA		60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	762.38	148.95
26 28 16 00-0477	EA		100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,167.56	171.58
26 28 16 00-0478	EA		200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	1,852.12	274.45
26 28 16 00-0479	EA		400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 240 Volt, 3 Phase.....	3,310.38	349.74
26 28 16 00-0480	600 Volt Class, 4 Wire, 4 Blades <small>(26 28 16 00-0445)</small>				



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0481 EA 30 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	662.14	118.09
26 28 16 00-0482 EA 60 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	832.28	167.47
26 28 16 00-0483 EA 100 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,249.48	190.51
26 28 16 00-0484 EA 200 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	1,907.64	298.31
26 28 16 00-0485 EA 400 Amp, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 3 Phase.....	3,545.87	460.84
26 28 16 00-0486 Double Throw Safety Switches <small>(26 28 16 00-0001)</small>		
26 28 16 00-0487 Safety Switches, NEMA 1 Enclosure <small>(26 28 16 00-0486)</small> Note: With neutral kit.		
26 28 16 00-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0489 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	499.07	105.75
26 28 16 00-0490 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	731.87	138.25
26 28 16 00-0491 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,022.61	180.63
26 28 16 00-0492 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,361.89	234.94
26 28 16 00-0493 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	3,205.38	293.78
26 28 16 00-0494 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	5,812.68	471.12
26 28 16 00-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0496 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	634.10	148.12
26 28 16 00-0497 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	881.17	193.39
26 28 16 00-0498 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,315.01	253.05
26 28 16 00-0499 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,918.43	329.17
26 28 16 00-0500 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,418.88	411.46
26 28 16 00-0501 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,191.39	658.33
26 28 16 00-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0503 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	839.07	185.16
26 28 16 00-0504 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,212.58	241.94
26 28 16 00-0505 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,118.42	316.00
26 28 16 00-0506 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,895.37	410.64
26 28 16 00-0507 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	5,742.46	514.33
26 28 16 00-0508 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,316.67	824.16
26 28 16 00-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0510 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	838.97	138.25
26 28 16 00-0511 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,253.45	180.63
26 28 16 00-0512 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,838.46	234.94
26 28 16 00-0513 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,258.89	293.78
26 28 16 00-0514 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,306.25	471.12
26 28 16 00-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0516 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	949.12	193.39
26 28 16 00-0517 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,397.88	253.05
26 28 16 00-0518 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,026.10	329.17
26 28 16 00-0519 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	4,494.04	411.46
26 28 16 00-0520 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,681.76	658.33
26 28 16 00-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure <small>(26 28 16 00-0487)</small>		
26 28 16 00-0522 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	1,279.64	241.94
26 28 16 00-0523 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	2,215.26	316.00
26 28 16 00-0524 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	3,095.77	410.64
26 28 16 00-0525 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	6,169.29	514.33
26 28 16 00-0526 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 1 Enclosure.....	7,794.32	824.16
26 28 16 00-0527 Safety Switches, NEMA 3R Enclosure <small>(26 28 16 00-0486)</small> Note: With neutral kit.		
26 28 16 00-0528 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0529 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,265.34	180.63
26 28 16 00-0530 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	2,851.69	234.94
26 28 16 00-0531 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	9,206.83	293.78
26 28 16 00-0532 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure.....	15,847.17	471.12
26 28 16 00-0533 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		
26 28 16 00-0534 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	1,663.07	252.64
26 28 16 00-0535 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	2,662.72	328.76
26 28 16 00-0536 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	9,523.20	411.46
26 28 16 00-0537 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure.....	10,409.01	659.58
26 28 16 00-0538 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure <small>(26 28 16 00-0527)</small>		

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 28 Low-Voltage Circuit Protective Devices



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0539 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,586.55	185.24
26 28 16 00-0540 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,970.82	241.77
26 28 16 00-0541 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,756.90	315.92
26 28 16 00-0542 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	3,974.22	410.81
26 28 16 00-0543 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,696.37	514.33
26 28 16 00-0544 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,874.24	824.24
26 28 16 00-0545 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure (26 28 16 00-0527)		
26 28 16 00-0546 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,068.96	138.25
26 28 16 00-0547 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	1,618.65	180.63
26 28 16 00-0548 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	2,920.32	234.94
26 28 16 00-0549 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	5,574.77	293.78
26 28 16 00-0550 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 3R Enclosure	7,472.17	471.12
26 28 16 00-0551 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure (26 28 16 00-0527)		
26 28 16 00-0552 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,221.36	193.39
26 28 16 00-0553 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	1,829.42	252.64
26 28 16 00-0554 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	3,236.90	328.76
26 28 16 00-0555 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	6,072.43	411.46
26 28 16 00-0556 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 3R Enclosure	8,190.91	659.58
26 28 16 00-0557 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure (26 28 16 00-0527)		
26 28 16 00-0558 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	1,986.34	241.77
26 28 16 00-0559 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	2,764.02	315.92
26 28 16 00-0560 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	4,073.06	410.81
26 28 16 00-0561 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	6,684.70	514.33
26 28 16 00-0562 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 3R Enclosure	7,938.57	824.24
26 28 16 00-0563 Safety Switches, NEMA 12 Enclosure (26 28 16 00-0486)		
Note: With neutral kit.		
26 28 16 00-0564 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0565 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,257.75	105.83
26 28 16 00-0566 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,429.80	138.17
26 28 16 00-0567 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,624.66	180.55
26 28 16 00-0568 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	2,229.75	234.78
26 28 16 00-0569 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	4,125.50	293.86
26 28 16 00-0570 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	6,061.56	470.96
26 28 16 00-0571 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0572 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,452.80	148.12
26 28 16 00-0573 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	1,723.48	193.39
26 28 16 00-0574 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,051.82	252.64
26 28 16 00-0575 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,854.03	328.76
26 28 16 00-0576 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,149.28	411.46
26 28 16 00-0577 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	6,836.77	659.58
26 28 16 00-0578 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0579 EA 30 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,160.33	185.24
26 28 16 00-0580 EA 60 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,534.62	241.77
26 28 16 00-0581 EA 100 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	3,470.69	315.92
26 28 16 00-0582 EA 200 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	4,709.92	410.81
26 28 16 00-0583 EA 400 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	8,649.47	514.33
26 28 16 00-0584 EA 600 Amp, Double Throw Safety Switch, 240 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	10,798.48	824.24
26 28 16 00-0585 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0586 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,873.92	138.17
26 28 16 00-0587 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	1,980.42	180.55
26 28 16 00-0588 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	3,724.63	234.78
26 28 16 00-0589 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	5,362.27	293.86
26 28 16 00-0590 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 2 Pole, Non-Fusible, NEMA 12 Enclosure	7,221.80	470.96
26 28 16 00-0591 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0592 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,068.52	193.39
26 28 16 00-0593 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	2,210.16	252.64
26 28 16 00-0594 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	4,083.42	328.76
26 28 16 00-0595 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	5,848.53	411.46
26 28 16 00-0596 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 3 Pole, Non-Fusible, NEMA 12 Enclosure	7,927.09	659.58
26 28 16 00-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure (26 28 16 00-0563)		
26 28 16 00-0598 EA 60 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure	2,559.93	241.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 00-0599 EA 100 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure.....	3,657.32	315.92
26 28 16 00-0600 EA 200 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure.....	4,819.93	410.81
26 28 16 00-0601 EA 400 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure.....	8,886.25	514.33
26 28 16 00-0602 EA 600 Amp, Double Throw Safety Switch, 600 Volt, 4 Pole, Non-Fusible, NEMA 12 Enclosure.....	11,112.33	824.24
26 28 16 00-0603 Removal And Reinstallation Of Disconnect Switches <small>(26 28 16 00-0001)</small>		
<i>Note: Includes storage and cleaning.</i>		
26 28 16 00-0604 EA Remove And Reinstall Safety Disconnect Switch Up To 100 Amp.....	411.46	
26 28 16 00-0605 EA Remove And Reinstall Safety Disconnect Switch 101 To 200 Amp.....	534.93	
26 28 16 00-0606 EA Remove And Reinstall Safety Disconnect Switch 201 To 300 Amp.....	596.66	
26 28 16 00-0607 EA Remove And Reinstall Safety Disconnect Switch 301 To 400 Amp.....	699.53	
26 29 Low-Voltage Controllers <small>(26 29)</small>		
26 29 13 Enclosed Controllers <small>(26 29)</small>		
26 29 13 13 Across-The-Line Motor Controllers <small>(26 29 13)</small>		
26 29 13 13-0001 Manual Motor Starters <small>(26 29 13 13)</small>		
26 29 13 13-0002 Fractional HP Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	143.71	41.21
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>		
<i>For Oversized Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	188.11	53.58
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>		
<i>For Oversized Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	160.81	41.21
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>		
<i>For Oversized Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	205.21	53.58
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>		
<i>For Oversized Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	151.12	41.21
<i>For Oversized Enclosure, Add</i>		
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	197.80	53.58
<i>For Oversized Enclosure, Add</i>		
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	293.58	49.45
<i>For Pilot Light, Add</i>		
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	339.68	61.82
<i>For Pilot Light, Add</i>		
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	310.68	49.45
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	355.07	61.82
26 29 13 13-0013 Non Reversing Manual Motor Starters <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	118.73	41.21
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0015 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	189.11	53.58
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0016 EA NEMA 1, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	133.57	45.34
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		
26 29 13 13-0017 EA NEMA 1, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	204.50	57.70
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>		
<i>For Pilot Light, Add</i>		

26	Electrical
26 20	Low-Voltage Electrical Distribution
26 29	Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0018	EA		NEMA 1, Non Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	134.68	41.21
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	8.25	
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0019	EA		NEMA 1, Non Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	205.61	53.58
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	8.25	
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0020	EA		NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	271.62	49.45
			<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0021	EA		NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	335.94	61.82
			<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0022	EA		NEMA 4, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	287.01	53.58
			<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0023	EA		NEMA 4, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	349.69	65.95
			<i>For Pilot Light, Add</i>	62.70	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	287.02	49.45
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	355.74	61.82
26 29 13 13-0026	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	86.30	28.85
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0027	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	156.68	41.21
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0028	EA		Open Type, Non Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	101.15	32.97
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0029	EA		Open Type, Non Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	171.52	45.34
			<i>For Pilot Light, Add</i>	39.60	
26 29 13 13-0030			Reversing Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0031	EA		NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11).....	306.22	74.19
			<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0032	EA		NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22).....	440.38	98.92
			<i>For Pilot Light, Add</i>	63.80	
26 29 13 13-0033			Two Speed Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0034	EA		NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11).....	306.22	74.19
26 29 13 13-0035	EA		NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	440.38	98.92
26 29 13 13-0036			Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0037	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1).....	273.92	49.45
26 29 13 13-0038	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1).....	273.92	49.45
26 29 13 13-0039	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	550.32	57.70
26 29 13 13-0040	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1).....	550.32	57.70
26 29 13 13-0041	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1).....	712.20	57.70
26 29 13 13-0042	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	346.83	57.70
26 29 13 13-0043	EA		Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1).....	232.09	37.10
26 29 13 13-0044	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	323.20	53.58
26 29 13 13-0045	EA		NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	323.20	53.58
26 29 13 13-0046	EA		NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	656.03	61.82
26 29 13 13-0047	EA		NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	656.03	61.82
26 29 13 13-0048	EA		NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	830.45	61.82
26 29 13 13-0049	EA		Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	396.11	61.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	281.37	41.21
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	419.79	57.70
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	419.79	57.70
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	777.14	65.95
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	777.14	65.95
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	944.15	65.95
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	494.42	65.95
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	379.67	45.34
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	339.40	61.82
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	339.40	61.82
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	615.81	70.06
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	615.81	70.06
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	782.25	70.06
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	412.89	70.06
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	299.29	49.45
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	388.69	65.95
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	388.69	65.95
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	721.52	74.19
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	721.52	74.19
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	899.93	74.19
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	461.60	74.19
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	346.86	53.58
26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	770.76	86.55
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	770.76	86.55
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	672.85	61.82
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	908.66	94.79
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	810.75	70.06
26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	770.76	86.55
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	672.85	61.82
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	908.66	94.79
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	810.75	70.06
26 29 13 13-0083 Magnetic Contactors/Starters (26 29 13 13)		
26 29 13 13-0084 Non Reversing, Magnetic Contactors (26 29 13 13-0083)		
26 29 13 13-0085 Open Enclosure, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO11).....	328.45	82.43
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAO12).....	368.87	90.67
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO5).....	352.39	82.43
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO1).....	393.38	90.67

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0090	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO2).....	433.81	98.92
26 29 13 13-0091	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO3).....	547.68	123.64
26 29 13 13-0092	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBO4).....	686.62	148.37
26 29 13 13-0093	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO5).....	408.77	90.67
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO1).....	449.20	98.92
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO2).....	490.77	107.16
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO3).....	629.93	144.25
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCO4).....	768.31	168.98
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO1).....	669.22	98.92
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO2).....	750.03	123.64
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDO3).....	978.95	164.86
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO1).....	993.99	123.64
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO2).....	1,141.97	164.86
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO3).....	1,451.25	206.08
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEO4).....	2,053.53	247.29
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO1).....	2,214.48	206.08
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO2).....	2,443.41	247.29
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFO3).....	3,288.50	288.50
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO1).....	4,400.22	247.29
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGO2).....	4,906.50	329.72
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHO2).....	12,582.38	494.58
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJO2).....	18,029.69	741.86
26 29 13 13-0112			NEMA 1, Non Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG11).....	346.12	82.43
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SAG12).....	386.54	90.67
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG5).....	370.06	82.43
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG1).....	411.62	90.67
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG2).....	452.05	98.92
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG3).....	567.06	123.64
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBG4).....	706.57	148.37
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG5).....	427.58	90.67
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG1).....	469.15	98.92
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG2).....	509.58	107.16
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG3).....	649.31	144.25
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCG4).....	787.12	168.98
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG1).....	753.58	98.92
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG2).....	834.96	123.64
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,063.31	164.86
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG1).....	1,159.86	123.64
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG2).....	1,307.27	164.86
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEG3).....	1,617.12	206.08



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG1)	2,558.19	206.08
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFG2)	2,787.12	247.29
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGG2)	5,532.93	329.72
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHG2)	15,337.19	494.58
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, NEMA 1 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SJG2)	20,792.48	741.86
26 29 13 13-0136 NEMA 12, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA1)	509.09	90.67
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBA2)	549.52	98.92
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	607.05	107.16
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA1)	931.42	98.92
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDA2)	1,013.37	123.64
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA1)	1,370.76	123.64
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEA2)	1,517.60	164.86
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCA2)	3,485.37	247.29
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGA2)	7,319.88	329.72
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHA2)	17,528.27	494.58
26 29 13 13-0147 NEMA 4/4X, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBW12)	736.48	98.92
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW11)	761.56	98.92
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW12)	801.99	107.16
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SCW13)	941.72	144.25
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SDW12)	1,419.78	123.64
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SEW12)	2,134.91	164.86
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SFW12)	4,200.15	247.29
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SGW12)	7,319.88	329.72
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 4/4X Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SHW2)	19,395.59	494.58
26 29 13 13-0157 NEMA 7/9, Non Reversing, Magnetic Contactors (26 29 13 13-0084)		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Non Reversing, Magnetic Contactors (Square D 8502SBT2)	1,443.67	131.89
26 29 13 13-0159 Non Reversing, Magnetic Starters (26 29 13 13-0083)		
26 29 13 13-0160 Open Enclosure, Non Reversing, Magnetic Starters (26 29 13 13-0159)		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO11)	384.88	82.43
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAO12)	401.36	90.67
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SB01)	429.29	90.67
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SB02)	474.28	98.92
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SB04)	757.87	148.37
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO1)	486.82	98.92
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO3)	567.72	107.16
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCO2)	591.66	107.16
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SD06)	721.09	98.92

26 Electrical
26 20 Low-Voltage Electrical Distribution
26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDO1).....	823.56	123.64
26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEO1).....	1,263.38	164.86
26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFO1).....	2,630.37	247.29
26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGO1).....	5,876.07	329.72
26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHO2).....	13,390.07	494.58
26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SJO2).....	19,301.93	741.86
26 29 13 13-0176			NEMA 1, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG1).....	403.69	82.43
26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SAG12).....	420.17	90.67
26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG1).....	448.10	90.67
26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBG2).....	493.09	98.92
26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG1).....	505.06	98.92
26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG3).....	550.62	107.16
26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCG2).....	611.04	107.16
26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG6).....	806.02	98.92
26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDG1).....	908.49	123.64
26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEG1).....	1,429.25	164.86
26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFG1).....	2,974.08	247.29
26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 1 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGG1).....	6,504.21	329.72
26 29 13 13-0189			NEMA 12, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA1).....	545.57	90.67
26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBA2).....	590.56	98.92
26 29 13 13-0192	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA1).....	602.53	98.92
26 29 13 13-0193	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA3).....	648.09	107.16
26 29 13 13-0194	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCA2).....	708.51	107.16
26 29 13 13-0195	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA6).....	984.43	98.92
26 29 13 13-0196	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDA1).....	1,086.33	123.64
26 29 13 13-0197	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEA1).....	1,639.58	164.86
26 29 13 13-0198	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFA1).....	3,671.76	247.29
26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGA1).....	8,289.45	329.72
26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amp, NEMA 12 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SHA2).....	19,643.54	494.58
26 29 13 13-0201			NEMA 3R, Non Reversing, Magnetic Starters <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH1).....	545.57	90.67
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBH2).....	590.56	98.92
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH1).....	602.53	98.92
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH3).....	648.09	107.16
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCH2).....	708.51	107.16
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH6).....	984.43	98.92
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDH1).....	1,086.33	123.64
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEH1).....	1,639.58	164.86



Electrical	26
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13	13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFH1)	3,671.76	247.29
26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)					
Note: Bolted cast aluminum enclosure.					
26 29 13	13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT4)	1,505.76	140.13
26 29 13	13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR1)	1,837.50	140.13
26 29 13	13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCR3)	1,895.02	148.37
26 29 13	13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDR1)	2,910.11	164.86
26 29 13	13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SET43)	3,512.37	206.08
26 29 13	13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFT41)	5,580.47	288.50
26 29 13 13-0218 NEMA 4/4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)					
Note: Brushed stainless steel enclosure.					
26 29 13	13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW11)	731.96	90.67
26 29 13	13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBW12)	777.52	98.92
26 29 13	13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW11)	797.47	98.92
26 29 13	13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW13)	843.03	107.16
26 29 13	13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCW12)	903.45	107.16
26 29 13	13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW16)	1,389.70	98.92
26 29 13	13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	2,256.32	164.86
26 29 13	13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW11)	4,385.97	247.29
26 29 13	13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, NEMA 4/4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SGW11)	9,662.58	329.72
26 29 13 13-0228 NEMA 4X, Non Reversing, Magnetic Starters (26 29 13 13-0159)					
Note: Glass polyester enclosure.					
26 29 13	13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDW21)	1,493.31	123.64
26 29 13	13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SEW21)	2,738.54	164.86
26 29 13	13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 4X Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SFW21)	5,359.53	247.29
26 29 13 13-0232 NEMA 7/9, Non Reversing, Magnetic Starters (26 29 13 13-0159)					
Note: Bolted cast iron enclosure.					
26 29 13	13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT1)	1,455.64	131.89
26 29 13	13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SBT2)	1,505.76	140.13
26 29 13	13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT1)	1,526.28	140.13
26 29 13	13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT3)	1,574.11	148.37
26 29 13	13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SCT2)	1,643.65	148.37
26 29 13	13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 7/9 Enclosure, Full Voltage, Non Reversing Magnetic Starter (Square D 8536SDT1)	2,394.83	164.86
26 29 13 13-0239 Reversing, Magnetic Starters (26 29 13 13-0083)					
26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)					
26 29 13	13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	706.23	107.16
26 29 13	13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	742.14	107.16
26 29 13	13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	820.18	115.40
26 29 13	13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	852.63	123.64
26 29 13	13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	872.58	123.64
26 29 13	13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	933.52	131.89

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	975.35	144.25
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	995.87	144.25
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	1,668.65	164.86
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	2,718.72	247.29
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	6,173.96	370.93
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	11,425.28	494.58
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amp, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	36,725.95	906.72
26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	723.94	98.92
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	757.53	107.16
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	778.05	107.16
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	854.38	115.40
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	887.97	123.64
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	908.49	123.64
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	984.82	131.89
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,026.65	144.25
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,047.17	144.25
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	1,802.03	164.86
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	2,949.57	247.29
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amp, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	6,598.04	370.93
26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,033.89	123.64
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,054.41	123.64
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	1,193.09	144.25
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amp, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	2,045.99	164.86
26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	1,281.27	123.64
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amp, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	1,504.66	131.89
26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	96.01	10.30
<i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	160.36	10.30
<i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	96.01	10.30
<i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	160.36	10.30
<i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	160.36	10.30
<i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0281 EA Internal Nonconvertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	80.83	8.24
<i>For Factory Installed Accessory, Deduct</i>	-16.48	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	72.38	8.24
<i>For Factory Installed Accessory, Deduct</i>	-16.48	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	96.01	10.30
<i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0284 EA External Field Non Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	80.83	8.24
<i>For Factory Installed Accessory, Deduct</i>	-16.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0285 EA External Field Non Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	107.71	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0286 EA 30 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	119.18	8.24
<i>For Factory Installed Accessory, Deduct</i>	<i>-16.48</i>	
26 29 13 13-0287 EA 45 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	203.03	8.24
<i>For Factory Installed Accessory, Deduct</i>	<i>-16.48</i>	
26 29 13 13-0288 EA 60 Amp, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	215.38	8.24
<i>For Factory Installed Accessory, Deduct</i>	<i>-16.48</i>	
26 29 13 13-0289 EA 30 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	257.86	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0290 EA 45 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	447.01	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0291 EA 60 Amp, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	447.01	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	29.34	6.18
<i>For Factory Installed Accessory, Deduct</i>	<i>-12.37</i>	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	58.08	8.24
<i>For Factory Installed Accessory, Deduct</i>	<i>-16.48</i>	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	76.51	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	60.91	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	34.02	6.18
<i>For Factory Installed Accessory, Deduct</i>	<i>-12.37</i>	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	21.67	6.18
<i>For Factory Installed Accessory, Deduct</i>	<i>-12.37</i>	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	104.23	8.24
<i>For Factory Installed Accessory, Deduct</i>	<i>-16.48</i>	
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	178.56	10.30
<i>For Factory Installed Accessory, Deduct</i>	<i>-20.61</i>	
26 29 13 13-0300 Definite Purpose Starters <small>(26 29 13 13)</small>		
26 29 13 13-0301 Open Enclosure, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	367.12	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	366.55	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	396.72	107.16
<i>For Factory Installed Accessory, Deduct</i>	<i>-214.32</i>	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	387.64	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	421.23	107.16
<i>For Factory Installed Accessory, Deduct</i>	<i>-214.32</i>	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	405.88	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	474.72	123.64
<i>For Factory Installed Accessory, Deduct</i>	<i>-247.29</i>	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	522.03	123.64
<i>For Factory Installed Accessory, Deduct</i>	<i>-247.29</i>	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	652.16	144.25
<i>For Factory Installed Accessory, Deduct</i>	<i>-288.50</i>	
26 29 13 13-0311 NEMA 1, Definite Purpose Starter <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	370.58	90.67
<i>For Factory Installed Accessory, Deduct</i>	<i>-181.34</i>	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	400.75	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	399.61	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	431.49	107.16
<i>For Factory Installed Accessory, Deduct</i>	<i>-214.32</i>	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	421.27	98.92
<i>For Factory Installed Accessory, Deduct</i>	<i>-197.83</i>	
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	455.43	107.16
<i>For Factory Installed Accessory, Deduct</i>	<i>-214.32</i>	

26 Electrical

26 20 Low-Voltage Electrical Distribution

26 29 Low-Voltage Controllers



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0318	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	440.65	98.92
			<i>For Factory Installed Accessory, Deduct</i>	-197.83	
26 29 13 13-0319	EA		NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	508.92	123.64
			<i>For Factory Installed Accessory, Deduct</i>	-247.29	
26 29 13 13-0320	EA		NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	554.52	123.64
			<i>For Factory Installed Accessory, Deduct</i>	-247.29	
26 29 13 13-0321	EA		NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amp, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	685.22	144.25
			<i>For Factory Installed Accessory, Deduct</i>	-288.50	
26 29 13 13-0322 Definite Purpose Starter Accessory (26 29 13 13-0300)					
26 29 13 13-0323	EA		Start-Stop Push Button Kit, Definite Purpose Starter Accessory	107.71	10.30
			Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i>	-20.61	
26 29 13 13-0324 Panel Mounted Miniature Contactor (26 29 13 13)					
26 29 13 13-0325 Non Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)					
26 29 13 13-0326	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	114.92	41.21
26 29 13 13-0327	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	133.42	45.34
26 29 13 13-0328	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	133.42	45.34
26 29 13 13-0329	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	147.94	49.45
26 29 13 13-0330	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	125.18	41.21
26 29 13 13-0331	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	130.88	41.21
26 29 13 13-0332	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	143.11	45.34
26 29 13 13-0333	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	148.81	45.34
26 29 13 13-0334	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	146.53	45.34
26 29 13 13-0335	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	148.81	45.34
26 29 13 13-0336	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	159.34	49.45
26 29 13 13-0337	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	152.23	45.34
26 29 13 13-0338	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	165.04	49.45
26 29 13 13-0339	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	153.37	45.34
26 29 13 13-0340	EA		3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	153.37	45.34
26 29 13 13-0341	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	170.74	49.45
26 29 13 13-0342	EA		3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Non Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	170.74	49.45
26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor (26 29 13 13-0324)					
26 29 13 13-0344	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	156.53	41.21
26 29 13 13-0345	EA		3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	167.93	41.21



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	185.86	45.34
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	185.86	45.34
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	197.26	45.34
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	207.79	49.45
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amp, 20 Amp, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	207.79	49.45
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	177.62	41.21
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amp, 15 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	189.02	41.21
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	205.81	45.34
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	217.21	45.34
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	231.16	49.45
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	242.56	49.45
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	199.54	45.34
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	226.33	45.34
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amp, 20 Amp, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	255.10	49.45
26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	50.16	20.61
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	54.56	20.61
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amp, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	62.53	20.61
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	78.38	20.61
26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole <small>(26 29 13 13)</small>		
26 29 13 13-0366 NEMA 1 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,759.49	395.00
<i>For NEMA 4, Add</i>	<i>619.09</i>	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,101.49	526.67
<i>For NEMA 4, Add</i>	<i>1,130.81</i>	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,758.01	625.42
<i>For NEMA 4, Add</i>	<i>2,063.90</i>	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,493.48	765.31
<i>For NEMA 4, Add</i>	<i>5,246.20</i>	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	69,449.60	979.28
<i>For NEMA 4, Add</i>	<i>8,436.28</i>	
26 29 13 13-0372 NEMA 12 Enclosure <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	5,718.24	403.40
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	10,026.14	527.49
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	17,620.48	623.45
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	43,143.90	761.95
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	68,887.44	979.69
26 29 13 13-0378 Factory Modifications Pilot Devices <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	145.86	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	160.87	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	273.82	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	148.78	

26 Electrical**26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	213.93	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	106.96	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	349.12	
26 29 13 13-0386 Factory Modifications Meters (26 29 13 13-0365)		
26 29 13 13-0387 EA Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,403.35	
26 29 13 13-0388 EA Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,355.45	
26 29 13 13-0389 EA Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	479.19	
26 29 13 13-0390 EA Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	397.06	
26 29 13 13-0391 Factory Modifications Main Circuit Breakers (26 29 13 13-0365)		
26 29 13 13-0392 EA Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	1,854.73	
26 29 13 13-0393 EA Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	3,392.08	
26 29 13 13-0394 EA Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	7,215.29	
26 29 13 13-0395 Factory Modifications Addition (26 29 13 13-0365)		
Note: For reversing service auto transformer type.		
26 29 13 13-0396 EA Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0397 EA Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0398 EA Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0399 EA Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	311.49	
26 29 13 13-0400 Combination Starters Non-Reversing (26 29 13 13)		
26 29 13 13-0401 240-600 Volts, 3-Pole (26 29 13 13-0400)		
26 29 13 13-0402 NEMA 1 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0403 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,069.39	189.28
For Electronic Overloads, Add	130.80	
26 29 13 13-0404 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,322.55	296.25
For Electronic Overloads, Add	137.98	
26 29 13 13-0405 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,835.64	345.63
For Electronic Overloads, Add	218.48	
26 29 13 13-0406 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,771.13	427.91
For Electronic Overloads, Add	363.64	
26 29 13 13-0407 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,063.22	683.03
For Electronic Overloads, Add	701.42	
26 29 13 13-0408 EA Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	10,003.04	855.84
For Electronic Overloads, Add	1,574.84	
26 29 13 13-0409 NEMA 1 With Circuit Breaker (26 29 13 13-0401)		
26 29 13 13-0410 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,341.72	189.28
For Electronic Overloads, Add	182.54	
26 29 13 13-0411 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	1,594.89	296.25
For Electronic Overloads, Add	189.73	
26 29 13 13-0412 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,100.41	345.63
For Electronic Overloads, Add	268.78	
26 29 13 13-0413 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,914.87	427.91
For Electronic Overloads, Add	390.96	
26 29 13 13-0414 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,887.79	683.03
For Electronic Overloads, Add	858.09	
26 29 13 13-0415 EA Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	12,189.30	855.84
For Electronic Overloads, Add	1,990.23	
26 29 13 13-0416 Factory Modifications For NEMA 1 Enclosure (26 29 13 13-0401)		
26 29 13 13-0417 EA Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	124.02	
26 29 13 13-0418 EA H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	291.29	
26 29 13 13-0419 EA Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	201.04	
26 29 13 13-0420 NEMA 4 With Disconnect Switch (26 29 13 13-0401)		
26 29 13 13-0421 EA Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,922.61	246.88
For Electronic Overloads, Add	268.78	
26 29 13 13-0422 EA Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,138.23	345.63
For Electronic Overloads, Add	275.97	
26 29 13 13-0423 EA Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,031.44	378.54
For Electronic Overloads, Add	431.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,780.03 734.48	460.84
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	7,559.64 1,175.74	683.03
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	16,372.70 2,785.07	855.84
26 29 13 13-0427 NEMA 4 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,194.95 320.53	246.88
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,410.57 327.71	345.63
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,296.22 481.51	378.54
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	4,923.76 761.79	460.84
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	8,384.21 1,332.41	683.03
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	15,517.86 2,622.65	855.84
26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	124.04	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	291.29	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	201.04	
26 29 13 13-0438 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,103.81 137.34	190.51
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,358.86 144.88	298.14
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,893.13 229.40	342.91
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,866.83 381.83	428.58
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	5,247.80 736.49	685.83
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	10,417.46 1,653.58	857.15
26 29 13 13-0445 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,429.00 199.12	190.51
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	1,685.60 206.96	298.14
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	2,228.91 293.20	342.91
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	3,101.78 426.47	428.58
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	6,298.04 936.04	685.83
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase <i>For Electronic Overloads, Add</i>	13,140.82 2,171.02	857.15
26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	123.00	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	288.87	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	199.37	
26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	2,487.19	395.00
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,367.34	526.67
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,702.46	724.17
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,477.27	987.51
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	8,224.57	1,382.51
26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	737.56	
26 29 13 13-0466 Combination Starters Reversing <small>(26 29 13 13)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0467 240-600 Volt, 3 Pole <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468 NEMA 1 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,328.33	246.88
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,561.06	345.63
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,225.07	378.54
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,338.82	460.84
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,449.35	683.03
26 29 13 13-0474 NEMA 1 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,472.02	246.88
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,714.45	345.63
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,404.63	378.54
26 29 13 13-0478 EA Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,091.61	460.84
26 29 13 13-0479 EA Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	6,935.04	683.03
26 29 13 13-0480 NEMA 12 With Disconnect Switch <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,411.89	254.03
26 29 13 13-0482 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	1,650.22	342.91
26 29 13 13-0483 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,374.09	381.01
26 29 13 13-0484 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,585.76	457.21
26 29 13 13-0485 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,966.56	685.83
26 29 13 13-0486 NEMA 12 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,570.22	254.03
26 29 13 13-0488 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	1,819.23	342.91
26 29 13 13-0489 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,571.94	381.01
26 29 13 13-0490 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,313.38	457.21
26 29 13 13-0491 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,501.71	685.83
26 29 13 13-0492 NEMA 7 Or 9 With Circuit Breaker <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,028.44	526.67
26 29 13 13-0494 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	3,277.43	658.33
26 29 13 13-0495 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,689.34	855.84
26 29 13 13-0496 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	7,399.24	1,119.17
26 29 13 13-0497 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,372.38	1,514.17
26 29 13 13-0498 Solid State Motor Controllers <small>(26 29 13 13)</small>		
26 29 13 13-0499 Adjustable Voltage Drives, DC Motors <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA 0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,040.09	148.12
26 29 13 13-0501 EA 0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	1,241.16	148.12
26 29 13 13-0502 Removal And Reinstallation Of Motor Starters <small>(26 29 13 13)</small>		
Note: Includes storage and cleaning.		
26 29 13 13-0503 EA Remove And Reinstall Motor Starter With Disconnect Up To 25 HP	587.80	
26 29 13 13-0504 Auxiliary Devices <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA Auxiliary Contact, Normally Open	321.13	82.30
26 29 13 13-0506 EA Auxiliary Contact, Normally Closed	321.13	82.30
26 29 13 13-0507 EA Pilot Light Kit	336.92	82.30
26 29 23 Variable-Frequency Motor Controllers <small>(26 29)</small>		
26 29 23 00-0001 208/230 Volt Variable Frequency Drives <small>(26 29 23)</small>		
Note: 1 or 3 phase. Wall mounted. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0002 EA 3/4 HP, 208/230 Volt Variable Frequency Drive	1,399.17	166.67
26 29 23 00-0003 EA 1 HP, 208/230 Volt Variable Frequency Drive	1,570.17	166.67
26 29 23 00-0004 EA 1-1/2 HP, 208/230 Volt Variable Frequency Drive	1,826.17	166.67
26 29 23 00-0005 EA 2 HP, 208/230 Volt Variable Frequency Drive	1,994.17	166.67
26 29 23 00-0006 EA 3 HP, 208/230 Volt Variable Frequency Drive	2,102.17	166.67
26 29 23 00-0007 EA 5 HP, 208/230 Volt Variable Frequency Drive	2,166.36	166.67
26 29 23 00-0008 EA 7.5 HP, 208/230 Volt Variable Frequency Drive	2,415.64	250.49
26 29 23 00-0009 EA 10 HP, 208/230 Volt Variable Frequency Drive	2,939.24	250.49
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive	3,561.05	333.23
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive	4,119.09	333.23
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive	5,125.19	417.07
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive	6,390.97	417.07
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive	7,804.15	489.71
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive	8,773.33	585.50
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive	9,944.33	585.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive	11,733.33	585.50
26 29 23 00-0018 460/480 Volt Variable Frequency Drives (26 29 23)		
Note: 3 Phase. ABB ACH550 or ACS550 Series. Includes full voltage bypass. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	1,896.67	146.32
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,035.17	166.67
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,162.64	250.49
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	2,397.17	250.50
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,030.05	333.23
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	3,542.35	333.25
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	4,447.19	417.08
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	5,076.97	417.07
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	6,095.15	489.71
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	7,216.33	585.50
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	8,386.51	626.01
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	9,495.68	666.52
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	11,354.55	706.82
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive Note: Wall mounted.	13,473.33	746.53
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	15,504.37	834.10
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	20,859.05	914.49
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	26,855.76	995.35
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	31,623.19	1,166.44
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	36,728.09	1,321.29
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	43,001.65	1,493.06
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive Note: Floor mounted.	46,412.05	1,677.56

26 30 Facility Electrical Power Generating And Storing Equipment

26 31 Photovoltaic Collectors (26 30)

26 31 00 00-0001 Photovoltaic Collectors (26 31)		
Note: All materials are to be installed per manufacturers specifications and must be in compliance with the California Energy Commission Guidelines (CEC-300-2011-005-CMF). See CSI section 26 28 13 00-0078 for fuses.		
26 31 00 00-0002 Rigid Photovoltaic Modules (26 31)		
26 31 00 00-0003 Sanyo Rigid Photovoltaic Modules (26 31 00 00-0002)		
26 31 00 00-0004 EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....	1,068.40	78.18
For >50, Deduct	-91.21	
26 31 00 00-0005 EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....	1,185.33	78.18
For >50, Deduct	-102.90	
26 31 00 00-0006 EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	1,111.67	78.18
For >50, Deduct	-95.53	
26 31 00 00-0007 Sharp Rigid Photovoltaic Modules (26 31 00 00-0002)		
26 31 00 00-0008 EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	894.18	78.18
For >50, Deduct	-73.78	
26 31 00 00-0009 EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	1,012.28	78.18
For >50, Deduct	-85.59	
26 31 00 00-0010 EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	1,030.99	78.18
For >50, Deduct	-87.46	
26 31 00 00-0011 EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	972.52	78.18
For >50, Deduct	-81.62	

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
 26 31 Photovoltaic Collectors



MINOR TOTAL DIRECT DEMOLITION
 CSI UOM DESCRIPTION UNIT COST UNIT COST

26 31 00 00-0012 BP Solar Rigid Photovoltaic Modules (26 31 00 00-0002)
 Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0013	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	459.14	78.18
		For >50, Deduct	-30.28	
26 31 00 00-0014	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	558.53	78.18
		For >50, Deduct	-40.22	
26 31 00 00-0015	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	598.29	78.18
		For >50, Deduct	-44.19	

26 31 00 00-0016 Photovoltaic Inverters (26 31)

26 31 00 00-0017 Fronius Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0018	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	2,941.67	82.30
26 31 00 00-0019	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	4,700.29	82.30
26 31 00 00-0020	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	4,840.61	82.30
26 31 00 00-0021	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	5,881.29	82.30
26 31 00 00-0022	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	6,479.05	82.30
26 31 00 00-0023	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	7,525.32	82.30
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	8,536.49	164.58
26 31 00 00-0025	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	8,653.42	164.58
26 31 00 00-0026	EA	Inverter Display Stand (Fronius 4,045,894)	247.99	41.14

26 31 00 00-0027 SMA Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0028	EA	4 KW AC Photovoltaic Inverter (SMA SB 4000US).....	3,046.90	82.30
26 31 00 00-0029	EA	5 KW AC Photovoltaic Inverter (SMA SB 5000US).....	3,929.73	82.30
26 31 00 00-0030	EA	6 KW AC Photovoltaic Inverter (SMA SB 6000US).....	4,151.89	82.30
26 31 00 00-0031	EA	7 KW AC Photovoltaic Inverter (SMA SB 7000US).....	4,443.05	82.30
26 31 00 00-0032	EA	8 KW AC Photovoltaic Inverter (SMA SB 8000US).....	4,840.61	82.30
26 31 00 00-0033	EA	36 KW AC Tower Photovoltaic Inverter (SMA ST36).....	24,827.76	329.17
26 31 00 00-0034	EA	42 KW AC Tower Photovoltaic Inverter (SMA ST42).....	26,809.72	329.17

26 31 00 00-0035 PVPowered Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0036	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	2,439.02	82.30
26 31 00 00-0037	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	2,549.15	82.30
26 31 00 00-0038	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	2,812.51	82.30
26 31 00 00-0039	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	3,337.27	102.86
26 31 00 00-0040	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	4,067.93	123.44
26 31 00 00-0041	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	4,101.45	123.44
26 31 00 00-0042	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	4,324.58	123.44
26 31 00 00-0043	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	54,215.81	658.33
26 31 00 00-0044	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	48,439.47	658.33
26 31 00 00-0045	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	60,658.66	658.33
26 31 00 00-0046	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	54,626.24	658.33

26 31 00 00-0047 Solectria Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0048	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	8,085.08	164.58
26 31 00 00-0049	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	8,085.08	164.58
26 31 00 00-0050	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	8,319.32	164.58
26 31 00 00-0051	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	8,319.32	164.58
26 31 00 00-0052	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	25,322.34	493.75
26 31 00 00-0053	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	24,151.15	493.75
26 31 00 00-0054	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,664.73	493.75
26 31 00 00-0055	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	27,014.07	493.75
26 31 00 00-0056	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	29,356.46	493.75
26 31 00 00-0057	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	28,055.13	493.75
26 31 00 00-0058	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	30,986.96	658.33
26 31 00 00-0059	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	29,555.50	658.33
26 31 00 00-0060	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	32,158.15	658.33
26 31 00 00-0061	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	30,466.43	658.33

26 31 00 00-0062 Xantrex Photovoltaic Inverters (26 31 00 00-0016)

26 31 00 00-0063	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	344.28	20.58
26 31 00 00-0064	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210).....	374.39	20.58
26 31 00 00-0065	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220).....	595.67	20.58

26 31 00 00-0066 Photovoltaic DC-DC Converters (26 31)

26 31 00 00-0067	EA	15 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	211.39	30.86
		Note: Hazardous locations.		
26 31 00 00-0068	EA	20 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	145.91	30.86
26 31 00 00-0069	EA	60 Amp, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	379.77	30.86

26 31 00 00-0070 Photovoltaic Combiner Boxes (26 31)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0071			Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0070)		
26 31 00 00-0072	EA		3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	248.77	82.30
26 31 00 00-0073	EA		6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	267.48	82.30
26 31 00 00-0074	EA		12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	422.28	123.44
26 31 00 00-0075	EA		6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	432.80	123.44
26 31 00 00-0076	EA		16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	638.60	123.44
26 31 00 00-0077			SMA Photovoltaic Combiner Boxes (26 31 00 00-0070)		
26 31 00 00-0078	EA		6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	572.67	82.30
26 31 00 00-0079	EA		12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	731.69	82.30
26 31 00 00-0080	EA		28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	1,516.01	164.58
26 31 00 00-0081	EA		52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	2,407.02	164.58
26 31 00 00-0082	EA		4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	825.23	82.30
26 31 00 00-0083			Photovoltaic Charge Controller (26 31)		
26 31 00 00-0084	EA		35 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	171.63	30.86
26 31 00 00-0085	EA		40 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	224.25	30.86
26 31 00 00-0086	EA		60 Amp, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	259.33	30.86
26 31 00 00-0087	EA		Remote Digital Meter For Xantrex C-35, 40 And 60.....	202.04	30.86
26 31 00 00-0088	EA		MPPT Charge Controller (Xantrex XW SCC).....	669.23	41.14
26 31 00 00-0089			Photovoltaic Batteries (26 31)		
26 31 00 00-0090			Concorde Photovoltaic Batteries (26 31 00 00-0089)		
26 31 00 00-0091	EA		34 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	150.89	12.35
26 31 00 00-0092	EA		45 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	190.67	16.46
26 31 00 00-0093	EA		49 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	205.91	16.46
26 31 00 00-0094	EA		56 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	238.68	24.69
26 31 00 00-0095	EA		69 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	270.23	24.69
26 31 00 00-0096	EA		89 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	320.52	28.80
26 31 00 00-0097	EA		104 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	367.46	32.91
26 31 00 00-0098	EA		108 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	363.47	32.91
26 31 00 00-0099	EA		210 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	656.62	39.09
26 31 00 00-0100	EA		255 Amp Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	757.49	41.14
26 31 00 00-0101			Deka Photovoltaic Batteries (26 31 00 00-0089)		
26 31 00 00-0102	EA		31 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	161.65	20.61
26 31 00 00-0103	EA		50 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	218.94	20.61
26 31 00 00-0104	EA		74 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G24).....	318.33	20.61
26 31 00 00-0105	EA		86 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G27).....	362.77	20.61
26 31 00 00-0106	EA		98 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G31).....	363.94	20.61
26 31 00 00-0107	EA		183 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	696.02	20.61
26 31 00 00-0108	EA		225 Amp Hours Capacity @ 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	803.59	20.61
26 31 00 00-0109			Battery Enclosures (26 31 00 00-0089)		
26 31 00 00-0110	EA		14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	181.46	20.58
26 31 00 00-0111	EA		22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	851.53	20.61
26 31 00 00-0112	EA		37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	801.25	20.61
26 31 00 00-0113	EA		37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	1,064.35	20.61
26 31 00 00-0114	EA		15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	479.70	20.61
26 31 00 00-0115	EA		31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	1,114.63	20.61
26 31 00 00-0116			Photovoltaic System Monitoring (26 31)		
26 31 00 00-0117	EA		Solar Inverter Monitor (Xantrex 864-0203).....	381.87	41.14
26 31 00 00-0118	EA		Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	646.84	20.58
26 31 00 00-0119	EA		Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	622.28	20.58
26 31 00 00-0120	EA		PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	94.93	20.58
26 31 00 00-0121	EA		Wind Sensor Accessory For Sunny SensorBox (SMA).....	222.62	41.14
26 31 00 00-0122	EA		Sunny Boy Control with RS485 (SMA).....	858.48	20.58
26 31 00 00-0123	EA		RS 485 Module (SMA).....	181.46	20.58
26 31 00 00-0124	EA		RS 232 Module (SMA).....	181.46	20.58
26 31 00 00-0125	EA		Wireless Monitor with Bluetooth (SMA Sunny Beam).....	417.89	
26 31 00 00-0126	EA		Bluetooth Piggy-Back Computer Card (SMA).....	235.24	20.58
26 31 00 00-0127	EA		RS485-N Communication Computer Card (SMA).....	166.26	20.58
26 31 00 00-0128	EA		Bluetooth Repeater (SMA).....	657.36	20.58
26 31 00 00-0129	EA		Sunny Boy PC Service Cable (SMA).....	226.33	6.17
26 31 00 00-0130	EA		Integrated Revenue Grade Meter, Option (PVPowered).....	2,999.25	
26 31 00 00-0131	EA		Data Monitoring Module (PVPowered PVM1010).....	319.43	20.58
26 31 00 00-0132	EA		Wireless IG Personal Display (Fronius 4,240,108).....	392.16	
26 31 00 00-0133	EA		DatCom Power Supply (Fronius 43,0001,2311).....	108.75	
26 31 00 00-0134	EA		Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	194.32	20.58

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
26 31 Photovoltaic Collectors



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0135 EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	189.64	20.58
26 31 00 00-0136 EA Datalogger Pro Box (Fronius 4,240,102)	809.37	20.58
26 31 00 00-0137 EA Datalogger Easy Box (Fronius 4,240,103)	526.40	20.58
26 31 00 00-0138 EA Datalogger Interface Box (Fronius 4,240,105)	913.44	20.58
26 31 00 00-0139 EA Datalogger Web (Fronius 4,240,122)	1,447.81	20.58
26 31 00 00-0140 EA Interface Box (Fronius 4,240,109)	422.33	20.58
26 31 00 00-0141 EA Interface Card (Fronius 4,240,009,Z)	258.63	20.58
26 31 00 00-0142 EA Interface Card Easy (Fronius 4,240,013,Z)	234.07	20.58
26 31 00 00-0143 EA Sensor Box (Fronius 4,240,104)	809.37	20.58
26 31 00 00-0144 EA Ambient Temperature Sensor (Fronius 43,0001,1188)	96.10	20.58
26 31 00 00-0145 EA Irradiance Sensor (Fronius 43,0001,1188)	294.88	20.58
26 31 00 00-0146 EA Module Temperature Sensor (Fronius 43,0001,1190)	156.90	20.58
26 31 00 00-0147 EA Wind Speed Sensor (Fronius 42,0411,0027)	174.67	41.14
26 31 00 00-0148 Photovoltaic System Accessories (26 31)		
26 31 00 00-0149 EA Four Inverter Bypass Switch (OutBack AC-I0B-100Q)	516.38	41.14
26 31 00 00-0150 EA Line Communication Filter (Enphase LCF)	1,027.46	82.30
26 31 00 00-0151 EA 15 Meter RS 485 Communication Cable (SMA)	128.11	6.17
26 31 00 00-0152 EA 15 Meter RS 232 Communication Cable (SMA)	128.11	6.17
26 31 00 00-0153 EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	21.37	2.03
26 31 00 00-0154 EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	22.54	2.03
26 31 00 00-0155 EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	23.71	2.03
26 31 00 00-0156 EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	26.05	2.03
26 31 00 00-0157 EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	29.56	2.03
26 31 00 00-0158 EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	47.43	4.07
26 31 00 00-0159 EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	63.80	4.07
26 31 00 00-0160 EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	76.97	6.11
26 31 00 00-0161 EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	26.63	2.03
26 31 00 00-0162 EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	36.57	2.03
26 31 00 00-0163 EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	54.44	4.07
26 31 00 00-0164 EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	71.98	4.07
26 31 00 00-0165 EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	117.65	8.15
26 31 00 00-0166 EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	180.21	8.15
26 31 00 00-0167 EA Lighting Kit, 9W Fluorescent, 12 V 4.5 Amp Hour Battery	2,090.39	222.19
Note: Tamper proof enclosure.		
26 31 00 00-0168 Photovoltaic Mounting Systems (26 31)		
26 31 00 00-0169 LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	7.93	2.05
26 31 00 00-0170 EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	24.44	10.28
26 31 00 00-0171 EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	29.91	10.28
26 31 00 00-0172 EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)	15.27	4.12
Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0173 EA Mounting Rail Grounding Clip (UNIRAC 980006)	7.70	3.09
Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0174 EA Mounting Rail Grounding Lugs (UNIRAC 980012)	15.53	4.12
Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0175 EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)	4.19	1.37
Note: Four for each row of modules you plan to mount.		
26 31 00 00-0176 EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)	4.36	1.37
Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0177 EA Photovoltaic Module Mount L-Feet (UNIRAC 310065)	11.27	4.12
26 31 00 00-0178 EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)	66.02	20.58
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0179 EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)	71.92	20.58
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0180 EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)	77.15	20.58
Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0181 EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)	97.08	30.86
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)	115.41	30.86
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)	132.44	30.86
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)	148.44	41.14
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0185 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)	192.96	41.14
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0186 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)	272.08	61.72
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0187 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351)	129.82	
Note: Excludes ballast.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0188 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	239.06	
Note: Excludes ballast.		
26 31 00 00-0189 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	53.36	20.58
26 31 00 00-0190 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	53.91	20.58
26 31 00 00-0191 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	54.45	20.58
26 31 00 00-0192 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	55.76	20.58
26 31 00 00-0193 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	49.93	20.58
26 31 00 00-0194 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	50.58	20.58
26 31 00 00-0195 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	51.94	20.58
26 31 00 00-0196 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	52.71	20.58
26 31 00 00-0197 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	91.35	30.86
26 31 00 00-0198 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	91.68	30.86
26 31 00 00-0199 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	92.46	30.86
26 31 00 00-0200 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	97.73	30.86
26 31 00 00-0201 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	19.03	4.12
26 31 00 00-0202 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	12.83	4.12
26 31 00 00-0203 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	26.24	6.17
26 31 00 00-0204 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	27.55	6.17
26 31 00 00-0205 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	6.67	1.37
Note: Mid or end clamp.		
26 31 00 00-0206 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	29.46	4.12
26 31 00 00-0207 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	1.73	

26 32 Packaged Generator Assemblies (26 32)

26 32 13 Engine Generators (26 32)

26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

26 32 13 13-0001 Diesel Generator Sets (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0646 for loadbank rental, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	15,643.43	714.70
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	19,744.68	879.97
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	20,362.98	964.84
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	21,891.85	1,107.78
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	23,434.07	1,273.05
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	26,155.87	1,491.93
For Weather Resistant Steel Diesel Generator Enclosure, Add	2,897.30	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	9,090.54	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	7,377.03	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	14,267.57	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	30,526.13	1,733.14
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	31,697.63	2,054.76
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	34,939.19	2,264.70
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,394.59	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	13,898.65	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	9,464.86	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	15,171.62	

26 Electrical

26 30 Facility Electrical Power Generating And Storing Equipment

26 32 Packaged Generator Assemblies



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0011	EA		175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	40,452.55 4,394.59 13,898.65 9,464.86 15,171.62	2,528.25
26 32 13 13-0012	EA		200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	43,267.00 4,394.59 13,898.65 9,464.86 15,171.62	2,769.46
26 32 13 13-0013	EA		230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	48,457.71 4,394.59 13,898.65 9,464.86 15,171.62	2,925.80
26 32 13 13-0014	EA		250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	50,630.34 28,500.00 42,077.03 34,566.22 51,433.78	3,046.41
26 32 13 13-0015	EA		275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	55,161.08 28,500.00 42,077.03 34,566.22 51,433.78	3,211.68
26 32 13 13-0016	EA		300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	56,300.53 28,500.00 42,077.03 34,566.22 51,433.78	3,354.62
26 32 13 13-0017	EA		350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	63,972.53 28,500.00 42,077.03 34,566.22 51,433.78	3,752.17
26 32 13 13-0018	EA		400 KW Diesel Generator Set, 3 Phase (Cummins DFEG) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	69,199.33 28,500.00 42,077.03 34,566.22 51,433.78	4,109.52
26 32 13 13-0019	EA		450 KW Diesel Generator Set, 3 Phase (Cummins DFEG) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	78,493.29 28,500.00 42,077.03 34,566.22 51,433.78	4,426.67
26 32 13 13-0020	EA		500 KW Diesel Generator Set, 3 Phase (Cummins DFEG) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	82,868.59 28,500.00 42,077.03 34,566.22 51,433.78	4,717.01
26 32 13 13-0021	EA		600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	120,517.58 58,220.27 93,481.08 68,478.38 108,904.05	5,194.97
26 32 13 13-0022	EA		750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	137,920.51 58,220.27 93,481.08 68,478.38 108,904.05	5,713.12
26 32 13 13-0023	EA		800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	143,980.19 58,220.27 93,481.08 68,478.38 108,904.05	5,838.20
26 32 13 13-0024	EA		900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	175,369.37 58,220.27 93,481.08 68,478.38 108,904.05	6,293.81
26 32 13 13-0025	EA		1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) For Weather Resistant Steel Diesel Generator Enclosure, Add For Quietsite Level 2 Steel Diesel Generator Enclosure, Add For Weather Resistant Aluminum Diesel Generator Enclosure, Add For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	195,463.74 58,220.27 93,481.08 68,478.38 108,904.05	6,700.31

26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (26 32 13 19)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad. Includes manufacturer's representative at startup. Excludes fuel tank, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0646 for loadbank rental, 26 36 23 00-0000 for automatic transfer switches.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0002	EA		20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	12,470.01 2,635.14 9,090.54 2,854.05 4,735.14	598.56
26 32 13 19-0003	EA		25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	14,092.08 2,635.14 9,090.54 2,854.05 4,735.14	714.70
26 32 13 19-0004	EA		29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	15,080.75 2,635.14 9,090.54 2,854.05 4,735.14	795.11
26 32 13 19-0005	EA		35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,422.20 2,635.14 9,090.54 8,072.97 13,550.00	879.97
26 32 13 19-0006	EA		40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	16,917.19 2,635.14 9,090.54 8,072.97 13,550.00	964.84
26 32 13 19-0007	EA		45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	17,452.96 2,635.14 9,090.54 8,072.97 13,550.00	1,040.78
26 32 13 19-0008	EA		60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	18,980.29 2,635.14 9,090.54 8,072.97 13,550.00	1,273.05
26 32 13 19-0009	EA		70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	20,195.40 2,635.14 9,090.54 8,072.97 13,550.00	1,424.93
26 32 13 19-0010	EA		85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	24,177.75 4,802.70 13,898.65 9,464.86 13,550.00	1,523.20
26 32 13 19-0011	EA		100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	26,242.24 4,802.70 13,898.65 9,464.86 13,550.00	1,715.28
26 32 13 19-0012	EA		125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	32,893.77 4,802.70 13,898.65 9,464.86 13,550.00	2,054.76
26 32 13 19-0013	EA		150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	37,461.92 4,802.70 13,898.65 9,464.86 13,550.00	2,264.70
26 32 13 19-0014	EA		175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	90,414.60 25,629.73 37,828.38 28,022.97 42,051.35	6,023.93
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	96,329.29 25,629.73 37,828.38 28,022.97 42,051.35	2,720.33
26 32 13 19-0016	EA		250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	97,552.81 25,629.73 37,828.38 28,022.97 42,051.35	3,046.41
26 32 13 19-0017	EA		300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	134,105.72 25,629.73 37,828.38 28,022.97 42,051.35	3,354.62
26 32 13 19-0018	EA		350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	135,471.64 25,629.73 37,828.38 28,022.97 42,051.35	3,752.17

26 Electrical
26 30 Facility Electrical Power Generating And Storing Equipment
26 32 Packaged Generator Assemblies



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	190,417.93 55,963.51 79,281.08 63,564.86 89,839.19	4,426.67
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	259,113.44 55,963.51 79,281.08 63,564.86 89,839.19	4,717.01
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	272,654.02 55,963.51 79,281.08 63,564.86 89,839.19	4,971.63
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	310,612.32 55,963.51 79,281.08 63,564.86 89,839.19	5,194.97
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	324,781.89 55,963.51 79,281.08 63,564.86 89,839.19	5,391.51
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLE) <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	343,520.42 55,963.51 79,281.08 63,564.86 89,839.19	5,762.26
26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)				
26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	3,060.91	380.95
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	3,846.56	423.29
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	4,402.80	451.41
26 32 13 26 AC To DC Electrical Conversion (26 32 13)				
26 32 13 26-0001 60 Hz AC Input 230 Or 460 Volts, 125 Volt DC Output (26 32 13 26)				
26 32 13 26-0002	EA	3 KW, 24 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	4,982.47	164.58
26 32 13 26-0003	EA	5 KW, 40 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,052.85	164.58
26 32 13 26-0004	EA	7.5 KW, 60 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,994.32	164.58
26 32 13 26-0005	EA	10 KW, 80 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,056.62	164.58
26 32 13 26-0006	EA	15 KW, 120 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,953.65	205.73
26 32 13 26-0007	EA	20 KW, 160 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,689.10	205.73
26 32 13 26-0008	EA	25 KW, 200 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,141.36	205.73
26 32 13 26-0009	EA	40 KW, 320 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,360.17	271.56
26 32 13 26-0010	EA	50 KW, 400 Amp, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,723.63	271.56
26 32 13 26-0011 60 Hz AC Input, 230 Or 460 Volts, 250 Volts DC Output (26 32 13 26)				
26 32 13 26-0012	EA	3 KW, 12 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	5,757.37	164.58
26 32 13 26-0013	EA	5 KW, 20 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	6,851.23	164.58
26 32 13 26-0014	EA	7.5 KW, 30 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	7,825.72	164.58
26 32 13 26-0015	EA	10 KW, 40 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	8,040.81	164.58
26 32 13 26-0016	EA	15 KW, 60 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	9,116.38	205.73
26 32 13 26-0017	EA	20 KW, 80 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,016.67	205.73
26 32 13 26-0018	EA	25 KW, 100 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,344.24	205.73
26 32 13 26-0019	EA	40 KW, 160 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,311.57	271.56
26 32 13 26-0020	EA	50 KW, 200 Amp, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,053.35	271.56
26 32 29 Rotary Converters (26 32)				
26 32 29 00-0001 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)				
26 32 29 00-0002	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	15,623.42	3,126.81
26 32 29 00-0003	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	17,439.21	3,126.81
26 32 29 00-0004	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	19,892.69	4,466.87
26 32 29 00-0005	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	23,075.19	4,466.87
26 32 29 00-0006	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	26,078.14	4,466.87
26 32 29 00-0007	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,791.21	6,700.31
26 32 29 00-0008	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	37,523.17	6,700.31
26 32 29 00-0009 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)				
26 32 29 00-0010	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	53,651.88	8,933.74
26 32 29 00-0011	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	58,510.60	8,933.74
26 32 29 00-0012	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	70,324.98	11,613.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 29 00-0013 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	80,030.79	14,115.31
26 32 29 00-0014 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	94,567.65	14,115.31
26 32 29 00-0015 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	133,821.94	21,083.63
26 32 29 00-0016 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	138,910.75	21,083.63
26 32 29 00-0017 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	159,636.75	24,567.78

26 33 Battery Equipment (26 30)

26 33 13 Batteries (26 33)

26 33 13 00-0001 Standby Batteries (26 33 13)

26 33 13 00-0002 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery.....	610.37	20.61
26 33 13 00-0003 EA 12 Volt, 100 Amp Hours To 10.5 Volts Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket.....	658.60	20.61
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	188.96	20.61
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery.....	172.71	20.61
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	288.58	20.61
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	333.48	20.61

26 33 43 Battery Chargers (26 33)

26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	1,918.25	470.21
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,221.82	470.21
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,442.87	470.21
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	2,593.43	556.72

26 33 53 Static Uninterruptible Power Supply (26 33)

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120)	769.17	81.47
Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120)	918.55	95.04
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120)	1,131.38	108.62
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007 EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120).....	1,381.07	122.21
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120)	1,770.16	135.79
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009 EA 3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120)	2,927.87	190.10
Note: Includes 4 minutes of battery backup at full load.		

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011 EA 3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208)	2,875.77	190.10
Note: Includes 4 minutes of battery backup at full load.		

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013 EA 5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208)	4,305.93	217.25
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014 EA 6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208)	4,709.53	244.41
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015 EA 8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208)	7,035.68	298.72
Note: Includes 7 minutes of battery backup at full load.		

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0016 EA 10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208).....	8,085.91	325.87
Note: Includes 4-1/2 minutes of battery backup at full load.		
26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	918.55	95.04
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA 1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	1,131.38	108.62
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	1,396.46	122.21
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	1,773.87	135.79
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	2,939.44	190.10
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	4,131.94	217.25
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	5,071.27	244.41
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	7,837.19	325.87
Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems (26 33 53 00-0001)		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	621.75	54.31
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	778.26	54.31
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	843.14	81.47
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	718.92	108.62
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Replacement Internal Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	654.70	81.47
26 33 53 00-0032 EA Replacement Internal Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	736.99	108.62
26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)		
26 33 53 00-0034 Three Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0033)		
26 33 53 00-0035 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0034)		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0036 EA 30 kVA, 24 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA030A0A6E).....	20,736.76	706.07
For 208/208 Volt AC, Add 795.73		
For MBC 2-Breaker, Add 4,056.74		
For 34 Minute Battery, Add 10,237.73		
26 33 53 00-0037 EA 40 kVA, 32 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA040A0A6E).....	24,715.41	869.01
For 208/208 Volt AC, Add 888.26		
For MBC 2-Breaker, Add 4,551.96		
For 23 Minute Battery, Add 11,041.49		
For 37 Minute Battery, Add 12,605.65		
26 33 53 00-0038 EA 50 kVA, 40 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA050A0A6E).....	27,286.64	1,086.26
For 208/208 Volt AC, Add 1,003.24		
For MBC 2-Breaker, Add 4,551.96		
For 18 Minute Battery, Add 10,402.31		
For 28 Minute Battery, Add 12,737.31		
For 35 Minute Battery, Add 13,502.01		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0039 EA 65 kVA, 52 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA065A0A6E).....	31,039.66	1,357.82
<i>For 208/208 Volt AC, Add</i>	1,161.62	
<i>For MBC 2-Breaker, Add</i>	5,573.39	
<i>For 12 Minute Battery, Add</i>	11,451.69	
<i>For 19 Minute Battery, Add</i>	13,070.95	
<i>For 25 Minute Battery, Add</i>	13,827.49	
<i>For 30 Minute Battery, Add</i>	18,403.93	
26 33 53 00-0040 EA 80 kVA, 64 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA080A0A6E).....	33,092.39	1,629.38
<i>For 208/208 Volt AC, Add</i>	1,161.62	
<i>For MBC 3-Breaker, Add</i>	5,573.39	
<i>For 15 Minute Battery, Add</i>	13,194.39	
<i>For 19 Minute Battery, Add</i>	15,081.26	
<i>For 33 Minute Battery, Add</i>	24,576.06	
26 33 53 00-0041 EA 100 kVA, 80 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA100A0A6E).....	35,792.26	1,900.95
<i>For 208/208 Volt AC, Add</i>	1,298.62	
<i>For MBC 3-Breaker, Add</i>	6,009.58	
<i>For 11 Minute Battery, Add</i>	13,984.00	
<i>For 17 Minute Battery, Add</i>	20,962.89	
<i>For 25 Minute Battery, Add</i>	25,421.35	
<i>For 35 Minute Battery, Add</i>	28,597.86	
26 33 53 00-0042 EA 130 kVA, 104 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Npower™ 37SA130A0A6E).....	39,075.43	2,172.52
<i>For 208/208 Volt AC, Add</i>	1,366.18	
<i>For MBC 3-Breaker, Add</i>	6,532.17	
<i>For 11 Minute Battery, Add</i>	19,417.56	
<i>For 17 Minute Battery, Add</i>	23,323.07	
<i>For 25 Minute Battery, Add</i>	31,081.56	
<i>For 30 Minute Battery, Add</i>	37,518.41	
26 33 53 00-0043 EA 225 kVA, 180 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA229AAAK).....	49,496.32	2,444.08
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	1,907.94	
<i>For Isolation Transformer, Add</i>	6,260.63	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	6,972.86	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	7,530.73	
<i>For VRLA 12 Minute Battery, Add</i>	33,132.96	
<i>For VRLA 14 Minute Battery, Add</i>	35,678.13	
<i>For VRLA 22 Minute Battery, Add</i>	44,743.89	
<i>For VRLA 37 Minute Battery, Add</i>	66,597.41	
26 33 53 00-0044 EA 300 kVA, 240 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA300AAAA).....	63,563.90	2,715.64
<i>For Customer Alarm Interface, Add</i>	393.61	
<i>For Alarm Status Contacts, Add</i>	474.19	
<i>For Maintenance Bypass Interface, Add</i>	554.77	
<i>For Communication Interface, Add</i>	619.86	
<i>For Flush Mount Remote Status Panel, Add</i>	781.03	
<i>For SNMP, Add</i>	976.29	
<i>For Load Bus Sync Board, Add</i>	1,456.68	
<i>For Input Filter with Disconnect, Add</i>	2,083.36	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	7,000.13	
<i>For Isolation Transformer, Add</i>	7,351.60	
<i>For Two Breaker Matching Maintenance Bypass Cabinet, Add</i>	8,410.94	
<i>For Three Breaker Matching Maintenance Bypass Cabinet, Add</i>	9,628.97	
<i>For VRLA 14 Minute Battery, Add</i>	44,793.27	
<i>For VRLA 17 Minute Battery, Add</i>	53,200.36	
<i>For VRLA 26 Minute Battery, Add</i>	66,655.01	
26 33 53 00-0045 EA 500 kVA, 400 KW, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® Series 610, U39SA500AAAA).....	99,958.46	3,258.77
<i>For Customer Alarm Interface, Add</i>	501.09	
<i>For Alarm Status Contacts, Add</i>	603.67	
<i>For Maintenance Bypass Interface, Add</i>	706.25	
<i>For Communication Interface, Add</i>	789.11	
<i>For Flush Mount Remote Status Panel, Add</i>	994.29	
<i>For SNMP, Add</i>	1,242.86	
<i>For Load Bus Sync Board, Add</i>	1,854.42	
<i>For Input Filter with Disconnect, Add</i>	5,900.12	
<i>For Two Breaker Maintenance Bypass Switchboard, Add</i>	8,199.69	
<i>For Load Bus Sync Control Panel With Start Up, Add</i>	8,965.92	
<i>For 12 Pulse With Isolation Transformer, Add</i>	11,178.39	
<i>For Three Breaker Maintenance Bypass Switchboard, Add</i>	12,468.80	
<i>For VRLA 12 Minute Battery, Add</i>	71,912.39	
26 33 53 00-0046 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems (26 33 53 00-0033)		
26 33 53 00-0047 EA Programmable Relay Board For Liebert® Npower™ Uninterruptible Power Supply Systems.....	452.98	41.14

26 Electrical**26 30 Facility Electrical Power Generating And Storing Equipment****26 33 Battery Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0048 EA Network Interface Card For Liebert® Npower™ Uninterruptible Power Supply Systems	727.57	41.14
26 33 53 00-0049 EA Remote Status Panel With 100' Of Cable For Liebert® Npower™ Uninterruptible Power Supply Systems	1,401.80	82.30
26 33 53 00-0050 EA Slim Line Distribution Panel With Two 42 Pole Panels For Liebert® Npower™ Uninterruptible Power Supply Systems.....	4,371.37	329.17
26 33 53 00-0051 EA Replacement 12 Volt, 3 Phase, 134 Amp Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12- 490MR).....	322.42	41.14
26 33 53 00-0052 EA Replacement 12 Volt, 204 Watts, 3 Phase, 55 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	178.27	41.14
26 33 53 00-0053 EA Replacement 12 Volt, 257 Watts, 3 Phase, 65 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	199.31	41.14
26 33 53 00-0054 EA Replacement 12 Volt, 311 Watts, 3 Phase, 75 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	220.34	41.14
26 33 53 00-0055 EA Replacement 12 Volt, 374 Watts, 3 Phase, 90 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	258.20	41.14
26 33 53 00-0056 EA Replacement 12 Volt, 415 Watts, 3 Phase, 100 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	270.82	41.14
26 33 53 00-0057 EA Replacement 12 Volt, 493 Watts, 3 Phase, 135 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	336.03	41.14
26 33 53 00-0058 EA Replacement 12 Volt, 540 Watts, 3 Phase, 150 Amp Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	351.80	41.14

26 33 53 00-0059 Other Uninterruptable Power Supply Equipment (26 33 53)

26 33 53 00-0060 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	3,145.23	75.23
26 33 53 00-0061 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	3,812.03	150.47
26 33 53 00-0062 EA GE Plug-In Breakers 1 Pole 15- 60A For UPS Distribution Panel.....	18.31	4.51
26 33 53 00-0063 EA GE Plug-In Breakers 2 Pole 15- 40A For UPS Distribution Panel.....	31.94	5.64
26 33 53 00-0064 EA GE Plug-In Breakers 2 Pole 50- 80A For UPS Distribution Panel.....	57.76	5.64
26 33 53 00-0065 EA GE Plug-In Breakers 3 Pole 15- 60A For UPS Distribution Panel.....	84.24	7.52
26 33 53 00-0066 EA GE Plug-In Breakers 3 Pole 70- 100A For UPS Distribution Panel.....	118.32	7.52
26 33 53 00-0067 EA Uninterrupted Power Supply Remote Status Panel	2,164.19	75.23
26 33 53 00-0068 EA Uninterrupted Power Supply Remote Contact Board.....	732.45	56.43

26 35 Power Filters And Conditioners (26 30)**26 35 33 Power Factor Correction Equipment (26 35)****26 35 33 00-0001 Power Factor Correction Capacitors (26 35 33)**

26 35 33 00-0002 EA Power Factor Correction Capacitors, 2.0 KVAC	413.06	
26 35 33 00-0003 EA Power Factor Correction Capacitors, 3.0 KVAC	457.47	
26 35 33 00-0004 EA Power Factor Correction Capacitors, 4.0 KVAC	501.89	
26 35 33 00-0005 EA Power Factor Correction Capacitors, 5.0 KVAC	544.53	
26 35 33 00-0006 EA Power Factor Correction Capacitors, 7.5 KVAC	668.89	
26 35 33 00-0007 EA Power Factor Correction Capacitors, 10.0 KVAC	817.23	
26 35 33 00-0008 EA Power Factor Correction Capacitors, 15.0 KVAC	1,262.27	
26 35 33 00-0009 EA Power Factor Correction Capacitors, 20.0 KVAC	1,533.20	
26 35 33 00-0010 EA Power Factor Correction Capacitors, 25.0 KVAC	1,980.90	
26 35 33 00-0011 EA Power Factor Correction Capacitors, 30.0 KVAC	2,252.72	
26 35 33 00-0012 EA Power Factor Correction Capacitors, 50.0 KVAC	3,952.92	
26 35 33 00-0013 EA Power Factor Correction Capacitors, 75.0 KVAC	5,943.59	
26 35 33 00-0014 EA Power Factor Correction Capacitors, 100.0 KVAC	7,925.38	
26 35 33 00-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	367.75	

26 35 43 Static-Frequency Converters (26 35)**26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure (26 35 43)**

26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	397.66	82.30
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	678.02	98.75
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	779.40	131.67
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,065.48	164.58
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,461.23	213.96
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,881.73	263.33
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,351.73	312.71
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,854.78	353.86
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,324.65	427.91
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,802.88	481.41
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,281.11	534.90
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,307.67	646.00
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,870.39	777.66
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	8,692.78	946.36
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,954.22	1,106.83
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	12,733.83	1,234.38
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	19,250.51	1,398.96
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	28,489.69	1,563.55

26 35 53 Voltage Regulators (26 35)**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)**

Note: For diesel motor generator sets mounted in switchgear cabinet.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,298.46	1,308.45
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	4,979.36	1,645.84
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	5,606.34	1,958.55

26 36 Transfer Switches ^(26 30)

26 36 13 Manual Transfer Switches ^(26 36)

26 36 13 00-0001 Fused Manual Transfer Switches ^(26 36 13)

26 36 13 00-0002 EA 30 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,050.28	144.01
26 36 13 00-0003 EA 60 Amp Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,218.90	178.90

26 36 23 Automatic Transfer Switches ^(26 36)

26 36 23 00-0001 Automatic Transfer Switch ^(26 36 23)

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure ^(26 36 23 00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003 EA 100 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	1,742.59	296.30
26 36 23 00-0004 EA 225 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	2,361.90	380.95
26 36 23 00-0005 EA 400 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,715.87	507.94
26 36 23 00-0006 EA 600 Amp, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	8,269.84	634.93

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure ^(26 36 23 00-0001)

26 36 23 00-0008 EA 40 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	2,766.09	211.64
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0009 EA 70 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	3,197.01	253.97
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0010 EA 125 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	3,520.78	296.30
For NEMA 3R Enclosure, Add	574.33	
For NEMA 4 Enclosure, Add	608.11	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0011 EA 150 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	4,183.39	338.63
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0012 EA 225 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	4,774.77	380.95
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0013 EA 260 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	5,270.13	423.29
For NEMA 3R Enclosure, Add	675.68	
For NEMA 4 Enclosure, Add	878.38	
For NEMA 12 Enclosure, Add	608.11	
26 36 23 00-0014 EA 300 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	5,515.23	465.61
For NEMA 3R Enclosure, Add	797.30	
For NEMA 4 Enclosure, Add	945.95	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0015 EA 400 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	6,230.49	507.94
For NEMA 3R Enclosure, Add	797.30	
For NEMA 4 Enclosure, Add	945.95	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0016 EA 600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	8,516.29	634.93
For NEMA 3R Enclosure, Add	797.30	
For NEMA 4 Enclosure, Add	945.95	
For NEMA 12 Enclosure, Add	675.68	
26 36 23 00-0017 EA 800 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	9,568.74	761.91
For NEMA 3R Enclosure, Add	979.73	
For NEMA 4 Enclosure, Add	1,081.09	
For NEMA 12 Enclosure, Add	945.95	
26 36 23 00-0018 EA 1,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	12,390.36	1,015.88
For NEMA 3R Enclosure, Add	979.73	
For NEMA 4 Enclosure, Add	1,081.09	
For NEMA 12 Enclosure, Add	945.95	
26 36 23 00-0019 EA 1,200 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	16,023.61	1,100.54
For NEMA 3R Enclosure, Add	2,162.17	
For NEMA 4 Enclosure, Add	1,216.22	
For NEMA 12 Enclosure, Add	1,013.52	
26 36 23 00-0020 EA 1,600 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	17,108.71	1,269.85
For NEMA 3R Enclosure, Add	3,513.52	
For NEMA 4 Enclosure, Add	4,324.33	
For NEMA 12 Enclosure, Add	3,513.52	
26 36 23 00-0021 EA 2,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	19,558.33	1,439.17
For NEMA 3R Enclosure, Add	3,513.52	
For NEMA 4 Enclosure, Add	4,324.33	
For NEMA 12 Enclosure, Add	3,513.52	

26	Electrical
26 30	Facility Electrical Power Generating And Storing Equipment
26 36	Transfer Switches



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0022	EA		3,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000).....	23,631.91	1,777.79
			<i>For NEMA 3R Enclosure, Add</i>	3,513.52	
26 36 23 00-0023	EA		4,000 Amp Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000).....	40,763.84	2,116.42
			<i>For NEMA 3R Enclosure, Add</i>	16,513.52	
26 36 23 00-0024			Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025	EA		150 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	13,955.80	1,608.48
			<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0026	EA		225 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	14,572.48	1,693.13
			<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0027	EA		260 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	15,277.05	1,777.79
			<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0028	EA		300 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	17,002.50	1,820.12
			<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0029	EA		400 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	19,553.30	1,862.44
			<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	641.90	
26 36 23 00-0030	EA		600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	23,392.75	1,947.11
			<i>For NEMA 3R Enclosure, Add</i>	1,182.44	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	675.68	
26 36 23 00-0031	EA		800 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	25,754.64	2,031.76
			<i>For NEMA 3R Enclosure, Add</i>	1,216.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	743.25	
26 36 23 00-0032	EA		1,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	32,307.16	2,370.38
			<i>For NEMA 3R Enclosure, Add</i>	1,216.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,216.22	
			<i>For NEMA 12 Enclosure, Add</i>	743.25	
26 36 23 00-0033	EA		1,200 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	41,983.40	2,539.71
			<i>For NEMA 3R Enclosure, Add</i>	5,405.41	
			<i>For NEMA 4 Enclosure, Add</i>	6,756.76	
			<i>For NEMA 12 Enclosure, Add</i>	5,405.41	
26 36 23 00-0034	EA		1,600 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	54,644.87	2,709.02
			<i>For NEMA 3R Enclosure, Add</i>	11,486.49	
			<i>For NEMA 4 Enclosure, Add</i>	11,486.49	
			<i>For NEMA 12 Enclosure, Add</i>	10,702.71	
26 36 23 00-0035	EA		2,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	62,023.21	2,962.98
			<i>For NEMA 3R Enclosure, Add</i>	11,486.49	
			<i>For NEMA 4 Enclosure, Add</i>	11,486.49	
			<i>For NEMA 12 Enclosure, Add</i>	10,702.71	
26 36 23 00-0036	EA		3,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	98,908.95	3,386.27
			<i>For NEMA 3R Enclosure, Add</i>	14,189.19	
26 36 23 00-0037	EA		4,000 Amp Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	106,794.49	3,809.55
			<i>For NEMA 3R Enclosure, Add</i>	14,189.19	
26 36 23 00-0038			Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small>		
26 36 23 00-0039	EA		40 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	4,470.84	211.64
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0040	EA		70 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	4,842.92	253.97
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0041	EA		125 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	5,214.39	296.30
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0042	EA		150 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	6,256.72	338.63
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	
26 36 23 00-0043	EA		225 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	8,127.90	380.95
			<i>For Four Pole Circuit Breaker, Add</i>	1,689.19	
			<i>For NEMA 3R Enclosure, Add</i>	337.84	
			<i>For NEMA 12 Enclosure, Add</i>	608.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0044	EA		250 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	8,659.19	423.29
			<i>For Four Pole Circuit Breaker, Add</i>	<i>1,689.19</i>	
			<i>For NEMA 3R Enclosure, Add</i>	<i>337.84</i>	
			<i>For NEMA 12 Enclosure, Add</i>	<i>608.11</i>	
26 36 23 00-0045	EA		300 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	9,013.32	465.61
			<i>For Four Pole Circuit Breaker, Add</i>	<i>2,297.30</i>	
			<i>For NEMA 3R Enclosure, Add</i>	<i>878.38</i>	
			<i>For NEMA 12 Enclosure, Add</i>	<i>675.68</i>	
26 36 23 00-0046	EA		400 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	10,193.79	507.94
			<i>For Four Pole Circuit Breaker, Add</i>	<i>2,297.30</i>	
			<i>For NEMA 3R Enclosure, Add</i>	<i>878.38</i>	
			<i>For NEMA 12 Enclosure, Add</i>	<i>675.68</i>	
26 36 23 00-0047	EA		600 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	12,374.90	634.93
			<i>For Four Pole Circuit Breaker, Add</i>	<i>2,297.30</i>	
			<i>For NEMA 3R Enclosure, Add</i>	<i>878.38</i>	
			<i>For NEMA 12 Enclosure, Add</i>	<i>675.68</i>	
26 36 23 00-0048	EA		800 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	12,923.73	761.91
			<i>For Four Pole Circuit Breaker, Add</i>	<i>3,277.03</i>	
			<i>For NEMA 3R Enclosure, Add</i>	<i>1,513.52</i>	
			<i>For NEMA 12 Enclosure, Add</i>	<i>945.95</i>	
26 36 23 00-0049	EA		1,000 Amp Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	15,289.43	1,015.88
			<i>For Four Pole Circuit Breaker, Add</i>	<i>3,277.03</i>	
			<i>For NEMA 3R Enclosure, Add</i>	<i>1,513.52</i>	
			<i>For NEMA 12 Enclosure, Add</i>	<i>945.95</i>	

26 36 23 00-0050 Accessories (26 36 23)

26 36 23 00-0051	EA	Auxiliary Contacts For Automatic Transfer Switch	156.76	
26 36 23 00-0052	EA	Battery Charger For Automatic Transfer Switch	1,283.79	
26 36 23 00-0053	EA	Elevator Relay Signal For Automatic Transfer Switch	466.22	

26 36 33 Non-Automatic Transfer Switches (26 36)

26 36 33 00-0001 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure

26 36 33 00-0002	EA	40 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	1,882.74	211.64
		<i>For NEMA 3R Enclosure, Add</i>	<i>574.33</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>540.54</i>	
26 36 33 00-0003	EA	70 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	2,093.76	253.97
		<i>For NEMA 3R Enclosure, Add</i>	<i>574.33</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>540.54</i>	
26 36 33 00-0004	EA	125 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	2,379.74	296.30
		<i>For NEMA 3R Enclosure, Add</i>	<i>574.33</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>540.54</i>	
26 36 33 00-0005	EA	150 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	2,243.05	338.63
		<i>For NEMA 3R Enclosure, Add</i>	<i>675.68</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>540.54</i>	
26 36 33 00-0006	EA	225 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	3,627.53	380.95
		<i>For NEMA 3R Enclosure, Add</i>	<i>675.68</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>540.54</i>	
26 36 33 00-0007	EA	260 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	4,076.43	423.29
		<i>For NEMA 3R Enclosure, Add</i>	<i>675.68</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>540.54</i>	
26 36 33 00-0008	EA	300 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	4,532.15	465.61
		<i>For NEMA 3R Enclosure, Add</i>	<i>797.30</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>675.68</i>	
26 36 33 00-0009	EA	400 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	5,305.64	507.94
		<i>For NEMA 3R Enclosure, Add</i>	<i>797.30</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>675.68</i>	
26 36 33 00-0010	EA	600 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	7,002.33	634.93
		<i>For NEMA 3R Enclosure, Add</i>	<i>797.30</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>675.68</i>	
26 36 33 00-0011	EA	800 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	7,896.82	761.91
		<i>For NEMA 3R Enclosure, Add</i>	<i>979.73</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>945.95</i>	
26 36 33 00-0012	EA	1,000 Amp Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	10,435.97	1,015.88
		<i>For NEMA 3R Enclosure, Add</i>	<i>979.73</i>	
		<i>For NEMA 12 Enclosure, Add</i>	<i>945.95</i>	

26 40 Electrical And Cathodic Protection (26)

26 43 Surge Protective Devices (26 40)

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits (26 43)

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13)

Note: Liebert LPL

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	193.52	20.58
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	208.98	20.58
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	217.21	24.69
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	180.87	16.46
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor.....	217.21	24.69
26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	269.71	20.58
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	286.77	24.69
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	278.54	20.58
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor.....	286.77	24.69
26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	327.13	20.58
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	344.19	24.69
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	305.65	16.46
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor.....	344.19	24.69
26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor.....	386.75	20.58
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	435.84	24.69
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	366.38	16.46
26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression (26 43 13) Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor.....	684.29	24.69
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	676.06	20.58
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	684.29	24.69
26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression (26 43 13) Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026 EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	3,978.27	41.14
26 43 13 00-0027 EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	4,861.63	41.14
26 43 13 00-0028 Class 1310 Transient Voltage Surge Suppression (26 43 13) Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029 NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor (26 43 13 00-0028) Note: Square D. EMA series.		
26 43 13 00-0030 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,199.34	106.98
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0031 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,527.74	123.44
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0032 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,160.59	144.01
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0033 EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,870.20	164.58
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0034 EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,169.15	226.30
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0035 EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,339.21	106.98
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,681.39	123.44
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	5,397.97	144.01
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,178.49	164.58
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	10,644.88	226.30
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,339.21	106.98
For Integral Disconnect, Add	265.68	
For Surge Counter, Add	203.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,681.39 265.68 203.04	123.44
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,397.93 265.68 203.04	144.01
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,178.49 265.68 203.04	164.58
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	10,644.88 265.68 203.04	226.30
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,479.09 265.68 203.04	106.98
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,837.02 265.68 203.04	123.44
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,637.30 265.68 203.04	144.01
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,488.80 265.68 203.04	164.58
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	11,122.55 265.68 203.04	226.30
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,641.60 265.68 203.04	106.98
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,998.58 265.68 203.04	123.44
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,887.48 265.68 203.04	144.01
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,813.83 265.68 203.04	164.58
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	10,946.70 265.68 203.04	226.30
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor ⁽²⁶ <small>43 13 00-0028)</small> Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,490.20 265.68 203.04	106.98
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,009.69 265.68 203.04	123.44
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,417.94 265.68 203.04	144.01
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,569.98 265.68 203.04	106.98
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,127.89 265.68 203.04	123.44
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,572.58 265.68 203.04	144.01
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,569.98 265.68 203.04	106.98
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,127.89 265.68 203.04	123.44
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,572.58 265.68 203.04	144.01
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,671.43 265.68 203.04	106.98
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,254.95 265.68 203.04	123.44
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,770.55 265.68 203.04	144.01
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	2,777.81 265.68 203.04	106.98

26 Electrical**26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0069	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,389.88 265.68 203.04	123.44
26 43 13 00-0070	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,978.37 265.68 203.04	144.01
26 43 13 00-0071			NEMA 4X Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,130.11 265.68 203.04	106.98
26 43 13 00-0073	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,458.52 265.68 203.04	123.44
26 43 13 00-0074	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,091.36 265.68 203.04	144.01
26 43 13 00-0075	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,269.98 265.68 203.04	106.98
26 43 13 00-0076	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,612.17 265.68 203.04	123.44
26 43 13 00-0077	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,328.74 265.68 203.04	144.01
26 43 13 00-0078	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,269.98 265.68 203.04	106.98
26 43 13 00-0079	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,612.17 265.68 203.04	123.44
26 43 13 00-0080	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,328.70 265.68 203.04	144.01
26 43 13 00-0081	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,409.86 265.68 203.04	106.98
26 43 13 00-0082	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,767.79 265.68 203.04	123.44
26 43 13 00-0083	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,568.08 265.68 203.04	144.01
26 43 13 00-0084	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,572.38 265.68 203.04	106.98
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,929.36 265.68 203.04	123.44
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,818.25 265.68 203.04	144.01
26 43 13 00-0087			NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0028)</small> Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,420.97 265.68 203.04	106.98
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,940.47 265.68 203.04	123.44
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,348.72 265.68 203.04	144.01
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,500.75 265.68 203.04	106.98
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,058.66 265.68 203.04	123.44
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,503.35 265.68 203.04	144.01
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,500.75 265.68 203.04	106.98
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,058.66 265.68 203.04	123.44



Electrical	26	26
Electrical And Cathodic Protection	26 40	
Surge Protective Devices	26 43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,503.35 265.68 203.04	144.01
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,602.21 265.68 203.04	106.98
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,185.72 265.68 203.04	123.44
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,701.32 265.68 203.04	144.01
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,708.58 265.68 203.04	106.98
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,320.66 265.68 203.04	123.44
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,909.14 265.68 203.04	144.01

26 50 Lighting⁽²⁶⁾

Note: Light fixtures include testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 52 Emergency Lighting^(26 50)

26 52 00 00-0001 Commercial Emergency Lights^(26 52)

26 52 00 00-0002 Polycarbonate Housing, Commercial Emergency Lights^(26 52 00 00-0001)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	133.75	20.58
26 52 00 00-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	94.83	20.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	145.76	20.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	168.82	20.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	248.07	20.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	280.24	20.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 00 00-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	405.57	20.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	

26 52 00 00-0010 Remote Heads For Commercial Emergency Lights^(26 52 00 00-0001)

Note: For use with fixtures that have remote capability.

26 52 00 00-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	89.94	12.35
26 52 00 00-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	90.52	12.35
26 52 00 00-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	92.46	12.35
26 52 00 00-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	92.15	12.35
26 52 00 00-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	80.20	12.35
26 52 00 00-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	56.48	12.35

26 52 00 00-0017 Industrial Emergency Lights^(26 52)

26 52 00 00-0018 Painted Steel Housing, Industrial Emergency Lights^(26 52 00 00-0017)

26 52 00 00-0019 Painted Steel Housing, Industrial Emergency Lights^(26 52 00 00-0018)

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 00 00-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	230.57	20.58
<i>For Wireguard, Add</i>	113.97	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	194.58	20.58
		<i>For Wireguard, Add</i>	113.97	
26 52 00 00-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	299.76	20.58
		<i>For Wireguard, Add</i>	113.97	
26 52 00 00-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	317.91	20.58
		<i>For Wireguard, Add</i>	113.97	
26 52 00 00-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	451.04	20.58
		<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	705.71	20.58
		<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0026		Remote Heads For Painted Steel Housing, Industrial Emergency Lights <small>(26 52 00 00-0018)</small>		
		Note: For use with fixtures that have remote capability.		
26 52 00 00-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	70.15	12.35
		<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	72.41	12.35
		<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	70.47	12.35
		<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	70.84	12.35
		<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	72.41	12.35
		<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	83.89	12.35
		<i>For Wireguard, Add</i>	91.98	
26 52 00 00-0033		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0017)</small>		
26 52 00 00-0034		Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 00 00-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	227.67	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	246.88	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	241.62	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	255.03	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	424.99	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	105.50	
26 52 00 00-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	335.28	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	374.74	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	394.74	20.58
		<i>For Wireguard, Add</i>	110.81	
		<i>For Self-Diagnostics, Add</i>	61.50	
26 52 00 00-0043		Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights <small>(26 52 00 00-0033)</small>		
		Note: For use with fixtures that have remote capability.		
26 52 00 00-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	61.47	12.35



Electrical	26	26
Lighting	26 50	
Emergency Lighting	26 52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 00 00-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	66.05	12.35
26 52 00 00-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	61.52	12.35
26 52 00 00-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	64.89	12.35
26 52 00 00-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	56.24	12.35
26 52 00 00-0049			Outdoor Emergency Lights (26 52)		
26 52 00 00-0050			Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights (26 52 00 00-0049)		
			Note: Includes nickel-cadmium batteries.		
26 52 00 00-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	354.48	20.58
26 52 00 00-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	421.57	20.58
26 52 00 00-0053			Recessed Emergency Lights (26 52)		
26 52 00 00-0054	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	385.14	20.58
			<i>For Wire Guard, Add</i>	60.00	
26 52 00 00-0055	EA		16 Watts At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	313.94	41.14
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0056	EA		50 Watts At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	443.96	41.14
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i>	121.39	
26 52 00 00-0057			Square Wraparound Emergency Lights (26 52)		
26 52 00 00-0058	EA		10 Watts At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	180.07	20.58
26 53			Exit Signs (26 50)		
			Note: Excludes pendants.		
26 53 00 00-0001			LED Exit Signs (26 53)		
			Note: Includes red LED lamps.		
26 53 00 00-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	113.08	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM).....	113.08	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	170.87	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	170.87	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	193.57	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC).....	213.59	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	206.92	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC ELN).....	226.93	30.08
			<i>For Green LED Lamps, Add</i>	15.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
26 53 00 00-0010	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM).....	203.34	30.08
			Note: Includes two circular side mounted krypton emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0011	EA		Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM LED).....	291.69	30.08
			Note: Includes two circular side mounted LED emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0012	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	249.37	30.08
			Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0013	EA		Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	260.25	30.08
			Note: Includes two circular side mounted PAR 36 emergency lights.		
			<i>For Green LED Lamps, Add</i>	15.00	
26 53 00 00-0014			Edge-Lit LED Exit Signs (26 53)		
			Note: Includes red LED lamps.		

26 Electrical

26 50 Lighting

26 53 Exit Signs



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 53 00 00-0015 EA Single Face, Edge-Lit LED Exit Sign..... <i>For Green LED Lamps, Add</i>	228.45 40.00	30.08
26 53 00 00-0016 EA Double Face, Edge-Lit LED Exit Sign <i>For Green LED Lamps, Add</i>	244.28 40.00	30.08
26 53 00 00-0017 EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	277.33 40.00 50.00	30.08
26 53 00 00-0018 EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up <i>For Green LED Lamps, Add</i> <i>For Self-Diagnostics, Add</i>	288.99 40.00 50.00	30.08
26 53 00 00-0019 Self-Luminous Tritium Exit Signs ^(26 53) Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 53 00 00-0020 EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	306.41	30.08
26 53 00 00-0021 EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	552.41	30.08
26 53 00 00-0022 EA 20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	362.45	30.08
26 53 00 00-0023 EA 20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign	597.39	30.08
26 53 00 00-0024 EA 10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	334.30	30.08
26 53 00 00-0025 EA 10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	597.39	30.08
26 53 00 00-0026 EA 20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign.....	407.18	30.08
26 53 00 00-0027 EA 20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign	738.41	30.08
26 53 00 00-0028 Vandal-Resistant LED Exit Signs ^(26 53) Note: Includes red LED lamps.		
26 53 00 00-0029 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign	289.84	30.08
26 53 00 00-0030 EA Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	442.17	30.08
26 53 00 00-0031 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup	535.57	30.08
26 53 00 00-0032 Remove And Reinstall Exit Light Fixture ^(26 53)		
26 53 00 00-0033 EA Removal And Reinstall Of Exit Light Fixtures	61.72	
Note: Includes storage and cleaning.		
26 53 00 00-0034 Exit Sign Accessories ^(26 53)		
26 53 00 00-0035 EA Polycarbonate Vandal Shield For Exit Signs.....	69.09	8.24
26 53 00 00-0036 EA Wire Guard For Exit Signs	74.93	8.24
26 53 00 00-0037 EA Replacement Battery For Exit Signs	70.01	10.30
26 56 Exterior Lighting ^(26 50)		
26 56 13 Lighting Poles And Standards ^(26 56)		
26 56 13 00-0001 Poles And Standards ^(26 56 13) See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole, 26 56 19 00-0000 for street light fixtures.		
26 56 13 00-0002 Roadway Light Poles ^(26 56 13 00-0001)		
26 56 13 00-0003 Steel Roadway Light Poles ^(26 56 13 00-0002) Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004 Round Tapered, Steel Roadway Light Poles ^(26 56 13 00-0003)		
26 56 13 00-0005 Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms ^(26 56 13 00-0004)		
26 56 13 00-0006 Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm ^(26 56 13 00-0005)		
26 56 13 00-0007 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,811.02	278.18
<i>For Galvanized Finish, Add</i>	67.64	
<i>For >10 To 20, Deduct</i>	-70.28	
<i>For >20 To 40, Deduct</i>	-140.55	
<i>For >40, Deduct</i>	-224.74	
26 56 13 00-0008 EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,816.58	278.18
<i>For Galvanized Finish, Add</i>	67.81	
<i>For >10 To 20, Deduct</i>	-70.41	
<i>For >20 To 40, Deduct</i>	-140.83	
<i>For >40, Deduct</i>	-225.15	
26 56 13 00-0009 EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,035.05	370.90
<i>For Galvanized Finish, Add</i>	68.80	
<i>For >10 To 20, Deduct</i>	-75.88	
<i>For >20 To 40, Deduct</i>	-151.75	
<i>For >40, Deduct</i>	-246.17	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,102.06	370.90
			<i>For Galvanized Finish, Add</i>	70.81	
			<i>For >10 To 20, Deduct</i>	-77.55	
			<i>For >20 To 40, Deduct</i>	-155.10	
			<i>For >40, Deduct</i>	-251.20	
26 56	13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,169.06	370.90
			<i>For Galvanized Finish, Add</i>	72.82	
			<i>For >10 To 20, Deduct</i>	-79.23	
			<i>For >20 To 40, Deduct</i>	-158.45	
			<i>For >40, Deduct</i>	-256.22	
26 56	13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,275.91	417.27
			<i>For Galvanized Finish, Add</i>	73.24	
			<i>For >10 To 20, Deduct</i>	-81.90	
			<i>For >20 To 40, Deduct</i>	-163.80	
			<i>For >40, Deduct</i>	-266.56	
26 56	13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,307.68	417.27
			<i>For Galvanized Finish, Add</i>	74.19	
			<i>For >10 To 20, Deduct</i>	-82.69	
			<i>For >20 To 40, Deduct</i>	-165.38	
			<i>For >40, Deduct</i>	-268.94	
26 56	13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,313.73	417.27
			<i>For Galvanized Finish, Add</i>	74.38	
			<i>For >10 To 20, Deduct</i>	-82.84	
			<i>For >20 To 40, Deduct</i>	-165.69	
			<i>For >40, Deduct</i>	-269.39	
26 56	13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,472.89	440.44
			<i>For Galvanized Finish, Add</i>	77.76	
			<i>For >10 To 20, Deduct</i>	-86.82	
			<i>For >20 To 40, Deduct</i>	-173.64	
			<i>For >40, Deduct</i>	-282.49	
26 56	13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,496.89	440.44
			<i>For Galvanized Finish, Add</i>	78.48	
			<i>For >10 To 20, Deduct</i>	-87.42	
			<i>For >20 To 40, Deduct</i>	-174.84	
			<i>For >40, Deduct</i>	-284.29	
26 56	13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,523.10	440.44
			<i>For Galvanized Finish, Add</i>	79.27	
			<i>For >10 To 20, Deduct</i>	-88.08	
			<i>For >20 To 40, Deduct</i>	-176.16	
			<i>For >40, Deduct</i>	-286.25	
26 56	13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,038.90	463.63
			<i>For Galvanized Finish, Add</i>	93.35	
			<i>For >10 To 20, Deduct</i>	-100.97	
			<i>For >20 To 40, Deduct</i>	-201.95	
			<i>For >40, Deduct</i>	-326.10	
26 56	13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,047.44	463.63
			<i>For Galvanized Finish, Add</i>	93.61	
			<i>For >10 To 20, Deduct</i>	-101.19	
			<i>For >20 To 40, Deduct</i>	-202.37	
			<i>For >40, Deduct</i>	-326.74	
26 56	13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,055.89	463.63
			<i>For Galvanized Finish, Add</i>	93.86	
			<i>For >10 To 20, Deduct</i>	-101.40	
			<i>For >20 To 40, Deduct</i>	-202.79	
			<i>For >40, Deduct</i>	-327.37	
26 56	13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0005)</small>		
26 56	13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,511.90	324.54
			<i>For Galvanized Finish, Add</i>	85.88	
			<i>For >10 To 20, Deduct</i>	-87.80	
			<i>For >20 To 40, Deduct</i>	-175.60	
			<i>For >40, Deduct</i>	-279.62	
26 56	13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,570.88	336.13
			<i>For Galvanized Finish, Add</i>	86.96	
			<i>For >10 To 20, Deduct</i>	-89.27	
			<i>For >20 To 40, Deduct</i>	-178.54	
			<i>For >40, Deduct</i>	-284.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,621.04	347.72
			<i>For Galvanized Finish, Add</i>	87.77	
			<i>For >10 To 20, Deduct</i>	-90.53	
			<i>For >20 To 40, Deduct</i>	-181.05	
			<i>For >40, Deduct</i>	-288.96	
26 56	13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,465.22	417.27
			<i>For Galvanized Finish, Add</i>	78.92	
			<i>For >10 To 20, Deduct</i>	-86.63	
			<i>For >20 To 40, Deduct</i>	-173.26	
			<i>For >40, Deduct</i>	-280.75	
26 56	13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,502.61	428.85
			<i>For Galvanized Finish, Add</i>	79.35	
			<i>For >10 To 20, Deduct</i>	-87.57	
			<i>For >20 To 40, Deduct</i>	-175.13	
			<i>For >40, Deduct</i>	-284.14	
26 56	13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,531.55	440.44
			<i>For Galvanized Finish, Add</i>	79.52	
			<i>For >10 To 20, Deduct</i>	-88.29	
			<i>For >20 To 40, Deduct</i>	-176.58	
			<i>For >40, Deduct</i>	-286.89	
26 56	13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,733.43	463.63
			<i>For Galvanized Finish, Add</i>	84.19	
			<i>For >10 To 20, Deduct</i>	-93.34	
			<i>For >20 To 40, Deduct</i>	-186.67	
			<i>For >40, Deduct</i>	-303.19	
26 56	13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,765.26	475.21
			<i>For Galvanized Finish, Add</i>	84.44	
			<i>For >10 To 20, Deduct</i>	-94.13	
			<i>For >20 To 40, Deduct</i>	-188.26	
			<i>For >40, Deduct</i>	-306.16	
26 56	13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,793.90	486.81
			<i>For Galvanized Finish, Add</i>	84.61	
			<i>For >10 To 20, Deduct</i>	-94.85	
			<i>For >20 To 40, Deduct</i>	-189.70	
			<i>For >40, Deduct</i>	-308.88	
26 56	13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,963.63	486.81
			<i>For Galvanized Finish, Add</i>	89.70	
			<i>For >10 To 20, Deduct</i>	-99.09	
			<i>For >20 To 40, Deduct</i>	-198.18	
			<i>For >40, Deduct</i>	-321.61	
26 56	13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,023.97	498.40
			<i>For Galvanized Finish, Add</i>	90.82	
			<i>For >10 To 20, Deduct</i>	-100.60	
			<i>For >20 To 40, Deduct</i>	-201.20	
			<i>For >40, Deduct</i>	-326.72	
26 56	13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,082.38	509.99
			<i>For Galvanized Finish, Add</i>	91.87	
			<i>For >10 To 20, Deduct</i>	-102.06	
			<i>For >20 To 40, Deduct</i>	-204.12	
			<i>For >40, Deduct</i>	-331.68	
26 56	13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,496.62	509.99
			<i>For Galvanized Finish, Add</i>	104.30	
			<i>For >10 To 20, Deduct</i>	-112.42	
			<i>For >20 To 40, Deduct</i>	-224.83	
			<i>For >40, Deduct</i>	-362.75	
26 56	13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,525.37	521.58
			<i>For Galvanized Finish, Add</i>	104.47	
			<i>For >10 To 20, Deduct</i>	-113.13	
			<i>For >20 To 40, Deduct</i>	-226.27	
			<i>For >40, Deduct</i>	-365.48	
26 56	13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,554.31	533.17
			<i>For Galvanized Finish, Add</i>	104.64	
			<i>For >10 To 20, Deduct</i>	-113.86	
			<i>For >20 To 40, Deduct</i>	-227.72	
			<i>For >40, Deduct</i>	-368.23	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms (26 56 13 00-0005)



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,084.21	463.63
			For Galvanized Finish, Add	94.71	
			For >10 To 20, Deduct	-102.11	
			For >20 To 40, Deduct	-204.21	
			For >40, Deduct	-329.50	
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,136.23	486.81
			For Galvanized Finish, Add	94.88	
			For >10 To 20, Deduct	-103.41	
			For >20 To 40, Deduct	-206.81	
			For >40, Deduct	-334.56	
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,196.72	509.99
			For Galvanized Finish, Add	95.30	
			For >10 To 20, Deduct	-104.92	
			For >20 To 40, Deduct	-209.84	
			For >40, Deduct	-340.25	
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,318.44	509.99
			For Galvanized Finish, Add	98.95	
			For >10 To 20, Deduct	-107.96	
			For >20 To 40, Deduct	-215.92	
			For >40, Deduct	-349.38	
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,373.16	533.17
			For Galvanized Finish, Add	99.20	
			For >10 To 20, Deduct	-109.33	
			For >20 To 40, Deduct	-218.66	
			For >40, Deduct	-354.65	
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,425.18	556.36
			For Galvanized Finish, Add	99.37	
			For >10 To 20, Deduct	-110.63	
			For >20 To 40, Deduct	-221.26	
			For >40, Deduct	-359.71	
26 56 13 00-0044	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,596.55	533.17
			For Galvanized Finish, Add	105.91	
			For >10 To 20, Deduct	-114.91	
			For >20 To 40, Deduct	-229.83	
			For >40, Deduct	-371.40	
26 56 13 00-0045	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,648.57	556.36
			For Galvanized Finish, Add	106.08	
			For >10 To 20, Deduct	-116.21	
			For >20 To 40, Deduct	-232.43	
			For >40, Deduct	-376.46	
26 56 13 00-0046	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,700.61	579.53
			For Galvanized Finish, Add	106.25	
			For >10 To 20, Deduct	-117.52	
			For >20 To 40, Deduct	-235.03	
			For >40, Deduct	-381.52	
26 56 13 00-0047	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,954.33	556.36
			For Galvanized Finish, Add	115.25	
			For >10 To 20, Deduct	-123.86	
			For >20 To 40, Deduct	-247.72	
			For >40, Deduct	-399.39	
26 56 13 00-0048	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,006.08	579.53
			For Galvanized Finish, Add	115.41	
			For >10 To 20, Deduct	-125.15	
			For >20 To 40, Deduct	-250.30	
			For >40, Deduct	-404.43	
26 56 13 00-0049	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	5,063.77	602.72
			For Galvanized Finish, Add	115.75	
			For >10 To 20, Deduct	-126.59	
			For >20 To 40, Deduct	-253.19	
			For >40, Deduct	-409.92	
26 56 13 00-0050			Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms		
			<small>(26 56 13 00-0005)</small>		
26 56 13 00-0051	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,544.72	509.99
			For Galvanized Finish, Add	105.74	
			For >10 To 20, Deduct	-113.62	
			For >20 To 40, Deduct	-227.24	
			For >40, Deduct	-366.35	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0052 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,622.71	544.76
For Galvanized Finish, Add	106.00	
For >10 To 20, Deduct	-115.57	
For >20 To 40, Deduct	-231.14	
For >40, Deduct	-373.94	
26 56 13 00-0053 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,697.82	579.53
For Galvanized Finish, Add	106.16	
For >10 To 20, Deduct	-117.45	
For >20 To 40, Deduct	-234.89	
For >40, Deduct	-381.31	
26 56 13 00-0054 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,813.60	556.36
For Galvanized Finish, Add	111.03	
For >10 To 20, Deduct	-120.34	
For >20 To 40, Deduct	-240.68	
For >40, Deduct	-388.84	
26 56 13 00-0055 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,889.10	591.13
For Galvanized Finish, Add	111.21	
For >10 To 20, Deduct	-122.23	
For >20 To 40, Deduct	-244.46	
For >40, Deduct	-396.24	
26 56 13 00-0056 EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,931.95	625.90
For Galvanized Finish, Add	110.40	
For >10 To 20, Deduct	-123.30	
For >20 To 40, Deduct	-246.60	
For >40, Deduct	-401.19	
26 56 13 00-0057 EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,181.47	579.53
For Galvanized Finish, Add	120.67	
For >10 To 20, Deduct	-129.54	
For >20 To 40, Deduct	-259.07	
For >40, Deduct	-417.59	
26 56 13 00-0058 EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,295.18	614.30
For Galvanized Finish, Add	122.00	
For >10 To 20, Deduct	-132.38	
For >20 To 40, Deduct	-264.76	
For >40, Deduct	-427.85	
26 56 13 00-0059 EA 35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,334.86	649.08
For Galvanized Finish, Add	121.10	
For >10 To 20, Deduct	-133.37	
For >20 To 40, Deduct	-266.74	
For >40, Deduct	-432.57	
26 56 13 00-0060 EA 40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,411.77	602.72
For Galvanized Finish, Add	126.19	
For >10 To 20, Deduct	-135.29	
For >20 To 40, Deduct	-270.59	
For >40, Deduct	-436.02	
26 56 13 00-0061 EA 40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,486.88	637.49
For Galvanized Finish, Add	126.36	
For >10 To 20, Deduct	-137.17	
For >20 To 40, Deduct	-274.34	
For >40, Deduct	-443.39	
26 56 13 00-0062 EA 40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,564.87	672.26
For Galvanized Finish, Add	126.61	
For >10 To 20, Deduct	-139.12	
For >20 To 40, Deduct	-278.24	
For >40, Deduct	-450.98	
26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065 EA 25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,242.41	370.90
For Galvanized Finish, Add	75.02	
For >10 To 20, Deduct	-81.06	
For >20 To 40, Deduct	-162.12	
For >40, Deduct	-261.73	
26 56 13 00-0066 EA 30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,670.27	417.27
For Galvanized Finish, Add	85.07	
For >10 To 20, Deduct	-91.76	
For >20 To 40, Deduct	-183.51	
For >40, Deduct	-296.13	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0067 EA 35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,763.29	440.44
For Galvanized Finish, Add	86.47	
For >10 To 20, Deduct	-94.08	
For >20 To 40, Deduct	-188.16	
For >40, Deduct	-304.27	
26 56 13 00-0068 EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,525.43	463.63
For Galvanized Finish, Add	107.95	
For >10 To 20, Deduct	-113.14	
For >20 To 40, Deduct	-226.27	
For >40, Deduct	-362.59	
26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms (26 56 13 00-0004)		
26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm (26 56 13 00-0069)		
26 56 13 00-0071 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,243.40	370.90
For Galvanized Finish, Add	105.05	
For >10 To 20, Deduct	-106.09	
For >20 To 40, Deduct	-212.17	
For >40, Deduct	-336.80	
26 56 13 00-0072 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,286.31	370.90
For Galvanized Finish, Add	106.34	
For >10 To 20, Deduct	-107.16	
For >20 To 40, Deduct	-214.32	
For >40, Deduct	-340.02	
26 56 13 00-0073 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,305.90	370.90
For Galvanized Finish, Add	106.92	
For >10 To 20, Deduct	-107.65	
For >20 To 40, Deduct	-215.30	
For >40, Deduct	-341.49	
26 56 13 00-0074 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,379.04	417.27
For Galvanized Finish, Add	106.34	
For >10 To 20, Deduct	-109.48	
For >20 To 40, Deduct	-218.95	
For >40, Deduct	-349.29	
26 56 13 00-0075 EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,386.53	417.27
For Galvanized Finish, Add	106.56	
For >10 To 20, Deduct	-109.66	
For >20 To 40, Deduct	-219.33	
For >40, Deduct	-349.85	
26 56 13 00-0076 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,463.91	417.27
For Galvanized Finish, Add	108.88	
For >10 To 20, Deduct	-111.60	
For >20 To 40, Deduct	-223.20	
For >40, Deduct	-355.66	
26 56 13 00-0077 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,450.84	440.44
For Galvanized Finish, Add	107.10	
For >10 To 20, Deduct	-111.27	
For >20 To 40, Deduct	-222.54	
For >40, Deduct	-355.84	
26 56 13 00-0078 EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,496.15	440.44
For Galvanized Finish, Add	108.46	
For >10 To 20, Deduct	-112.40	
For >20 To 40, Deduct	-224.81	
For >40, Deduct	-359.23	
26 56 13 00-0079 EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,733.75	440.44
For Galvanized Finish, Add	115.59	
For >10 To 20, Deduct	-118.34	
For >20 To 40, Deduct	-236.69	
For >40, Deduct	-377.05	
26 56 13 00-0080 Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms (26 56 13 00-0069)		
26 56 13 00-0081 EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,570.48	463.63
For Galvanized Finish, Add	139.30	
For >10 To 20, Deduct	-139.26	
For >20 To 40, Deduct	-278.52	
For >40, Deduct	-440.97	

26	26 Electrical
	26 50 Lighting
	26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,657.93	486.81
			For Galvanized Finish, Add	140.53	
			For >10 To 20, Deduct	-141.45	
			For >20 To 40, Deduct	-282.90	
			For >40, Deduct	-448.69	
26 56	13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,865.58	509.99
			For Galvanized Finish, Add	145.37	
			For >10 To 20, Deduct	-146.64	
			For >20 To 40, Deduct	-293.28	
			For >40, Deduct	-465.42	
26 56	13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,639.40	509.99
			For Galvanized Finish, Add	138.58	
			For >10 To 20, Deduct	-140.99	
			For >20 To 40, Deduct	-281.97	
			For >40, Deduct	-448.45	
26 56	13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,898.02	533.17
			For Galvanized Finish, Add	144.95	
			For >10 To 20, Deduct	-147.45	
			For >20 To 40, Deduct	-294.90	
			For >40, Deduct	-469.01	
26 56	13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,048.83	556.36
			For Galvanized Finish, Add	148.08	
			For >10 To 20, Deduct	-151.22	
			For >20 To 40, Deduct	-302.44	
			For >40, Deduct	-481.48	
26 56	13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,804.32	533.17
			For Galvanized Finish, Add	142.14	
			For >10 To 20, Deduct	-145.11	
			For >20 To 40, Deduct	-290.22	
			For >40, Deduct	-461.98	
26 56	13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,153.47	556.36
			For Galvanized Finish, Add	151.22	
			For >10 To 20, Deduct	-153.84	
			For >20 To 40, Deduct	-307.67	
			For >40, Deduct	-489.33	
26 56	13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,355.36	579.53
			For Galvanized Finish, Add	155.89	
			For >10 To 20, Deduct	-158.88	
			For >20 To 40, Deduct	-317.77	
			For >40, Deduct	-505.63	
26 56	13 00-0090		Aluminum Roadway Light Poles (26 56 13 00-0002)		
			Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56	13 00-0091		Round Tapered, Aluminum Roadway Light Poles (26 56 13 00-0090)		
26 56	13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms (26 56 13 00-0091)		
26 56	13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm (26 56 13 00-0092)		
26 56	13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,491.34	278.18
			For >10 To 20, Deduct	-62.28	
			For >20 To 40, Deduct	-124.57	
			For >40, Deduct	-200.76	
26 56	13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,514.76	278.18
			For >10 To 20, Deduct	-62.87	
			For >20 To 40, Deduct	-125.74	
			For >40, Deduct	-202.52	
26 56	13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,030.34	370.90
			For >10 To 20, Deduct	-75.76	
			For >20 To 40, Deduct	-151.52	
			For >40, Deduct	-245.82	
26 56	13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,074.60	370.90
			For >10 To 20, Deduct	-76.87	
			For >20 To 40, Deduct	-153.73	
			For >40, Deduct	-249.14	
26 56	13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,115.30	370.90
			For >10 To 20, Deduct	-77.88	
			For >20 To 40, Deduct	-155.77	
			For >40, Deduct	-252.19	



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00	0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,485.19	417.27
				<i>For >10 To 20, Deduct</i>	-87.13	
				<i>For >20 To 40, Deduct</i>	-174.26	
				<i>For >40, Deduct</i>	-282.25	
26 56	13 00	0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,522.53	417.27
				<i>For >10 To 20, Deduct</i>	-88.06	
				<i>For >20 To 40, Deduct</i>	-176.13	
				<i>For >40, Deduct</i>	-285.05	
26 56	13 00	0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,564.29	417.27
				<i>For >10 To 20, Deduct</i>	-89.11	
				<i>For >20 To 40, Deduct</i>	-178.21	
				<i>For >40, Deduct</i>	-288.19	
26 56	13 00	0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,122.33	440.44
				<i>For >10 To 20, Deduct</i>	-103.06	
				<i>For >20 To 40, Deduct</i>	-206.12	
				<i>For >40, Deduct</i>	-331.20	
26 56	13 00	0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,159.58	440.44
				<i>For >10 To 20, Deduct</i>	-103.99	
				<i>For >20 To 40, Deduct</i>	-207.98	
				<i>For >40, Deduct</i>	-333.99	
26 56	13 00	0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,190.78	440.44
				<i>For >10 To 20, Deduct</i>	-104.77	
				<i>For >20 To 40, Deduct</i>	-209.54	
				<i>For >40, Deduct</i>	-336.33	
26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>						
26 56	13 00	0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	2,849.98	324.54
				<i>For >10 To 20, Deduct</i>	-71.25	
				<i>For >20 To 40, Deduct</i>	-142.50	
				<i>For >40, Deduct</i>	-229.98	
26 56	13 00	0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,079.51	324.54
				<i>For >10 To 20, Deduct</i>	-76.99	
				<i>For >20 To 40, Deduct</i>	-153.98	
				<i>For >40, Deduct</i>	-247.19	
26 56	13 00	0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,170.61	347.72
				<i>For >10 To 20, Deduct</i>	-79.27	
				<i>For >20 To 40, Deduct</i>	-158.53	
				<i>For >40, Deduct</i>	-255.18	
26 56	13 00	0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,376.42	417.27
				<i>For >10 To 20, Deduct</i>	-84.41	
				<i>For >20 To 40, Deduct</i>	-168.82	
				<i>For >40, Deduct</i>	-274.09	
26 56	13 00	0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,545.71	428.85
				<i>For >10 To 20, Deduct</i>	-88.64	
				<i>For >20 To 40, Deduct</i>	-177.29	
				<i>For >40, Deduct</i>	-287.37	
26 56	13 00	0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,794.01	440.44
				<i>For >10 To 20, Deduct</i>	-94.85	
				<i>For >20 To 40, Deduct</i>	-189.70	
				<i>For >40, Deduct</i>	-306.57	
26 56	13 00	0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,911.70	463.63
				<i>For >10 To 20, Deduct</i>	-97.79	
				<i>For >20 To 40, Deduct</i>	-195.59	
				<i>For >40, Deduct</i>	-316.56	
26 56	13 00	0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,070.44	475.21
				<i>For >10 To 20, Deduct</i>	-101.76	
				<i>For >20 To 40, Deduct</i>	-203.52	
				<i>For >40, Deduct</i>	-329.04	
26 56	13 00	0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,266.22	486.81
				<i>For >10 To 20, Deduct</i>	-106.66	
				<i>For >20 To 40, Deduct</i>	-213.31	
				<i>For >40, Deduct</i>	-344.31	
26 56	13 00	0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,469.26	486.81
				<i>For >10 To 20, Deduct</i>	-111.73	
				<i>For >20 To 40, Deduct</i>	-223.46	
				<i>For >40, Deduct</i>	-359.53	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,915.04	498.40
		<i>For >10 To 20, Deduct</i>	-122.88	
		<i>For >20 To 40, Deduct</i>	-245.75	
		<i>For >40, Deduct</i>	-393.55	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,435.02	509.99
		<i>For >10 To 20, Deduct</i>	-135.88	
		<i>For >20 To 40, Deduct</i>	-271.75	
		<i>For >40, Deduct</i>	-433.13	
26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms <small>(26 56 13 00-0092)</small>				
26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,312.20	370.90
		<i>For >10 To 20, Deduct</i>	-82.81	
		<i>For >20 To 40, Deduct</i>	-165.61	
		<i>For >40, Deduct</i>	-266.96	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,544.22	394.08
		<i>For >10 To 20, Deduct</i>	-88.61	
		<i>For >20 To 40, Deduct</i>	-177.21	
		<i>For >40, Deduct</i>	-285.52	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,017.39	463.63
		<i>For >10 To 20, Deduct</i>	-100.43	
		<i>For >20 To 40, Deduct</i>	-200.87	
		<i>For >40, Deduct</i>	-324.49	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,186.54	486.81
		<i>For >10 To 20, Deduct</i>	-104.66	
		<i>For >20 To 40, Deduct</i>	-209.33	
		<i>For >40, Deduct</i>	-338.33	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,384.30	509.99
		<i>For >10 To 20, Deduct</i>	-109.61	
		<i>For >20 To 40, Deduct</i>	-219.22	
		<i>For >40, Deduct</i>	-354.32	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,536.36	533.17
		<i>For >10 To 20, Deduct</i>	-113.41	
		<i>For >20 To 40, Deduct</i>	-226.82	
		<i>For >40, Deduct</i>	-366.89	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,756.20	533.17
		<i>For >10 To 20, Deduct</i>	-118.91	
		<i>For >20 To 40, Deduct</i>	-237.81	
		<i>For >40, Deduct</i>	-383.37	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,192.70	556.36
		<i>For >10 To 20, Deduct</i>	-129.82	
		<i>For >20 To 40, Deduct</i>	-259.64	
		<i>For >40, Deduct</i>	-417.27	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,996.34	579.53
		<i>For >10 To 20, Deduct</i>	-149.91	
		<i>For >20 To 40, Deduct</i>	-299.82	
		<i>For >40, Deduct</i>	-478.70	
26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms <small>(26 56 13 00-0092)</small>				
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,404.35	417.27
		<i>For >10 To 20, Deduct</i>	-85.11	
		<i>For >20 To 40, Deduct</i>	-170.22	
		<i>For >40, Deduct</i>	-276.19	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,544.90	417.27
		<i>For >10 To 20, Deduct</i>	-88.62	
		<i>For >20 To 40, Deduct</i>	-177.25	
		<i>For >40, Deduct</i>	-286.73	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,393.04	509.99
		<i>For >10 To 20, Deduct</i>	-109.83	
		<i>For >20 To 40, Deduct</i>	-219.65	
		<i>For >40, Deduct</i>	-354.98	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,762.20	544.76
		<i>For >10 To 20, Deduct</i>	-119.06	
		<i>For >20 To 40, Deduct</i>	-238.11	
		<i>For >40, Deduct</i>	-384.40	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0133 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,976.80	556.36
For >10 To 20, Deduct	-124.42	
For >20 To 40, Deduct	-248.84	
For >40, Deduct	-401.08	
26 56 13 00-0134 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,314.86	591.13
For >10 To 20, Deduct	-132.87	
For >20 To 40, Deduct	-265.74	
For >40, Deduct	-428.17	
26 56 13 00-0135 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,245.98	579.53
For >10 To 20, Deduct	-131.15	
For >20 To 40, Deduct	-262.30	
For >40, Deduct	-422.43	
26 56 13 00-0136 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,003.56	614.30
For >10 To 20, Deduct	-150.09	
For >20 To 40, Deduct	-300.18	
For >40, Deduct	-480.98	
26 56 13 00-0137 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,670.03	649.08
For >10 To 20, Deduct	-166.75	
For >20 To 40, Deduct	-333.50	
For >40, Deduct	-532.71	
26 56 13 00-0138 Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139 Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	3,680.65	370.90
For >10 To 20, Deduct	-92.02	
For >20 To 40, Deduct	-184.03	
For >40, Deduct	-294.59	
26 56 13 00-0141 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	3,711.94	370.90
For >10 To 20, Deduct	-92.80	
For >20 To 40, Deduct	-185.60	
For >40, Deduct	-296.94	
26 56 13 00-0142 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	3,791.91	370.90
For >10 To 20, Deduct	-94.80	
For >20 To 40, Deduct	-189.60	
For >40, Deduct	-302.94	
26 56 13 00-0143 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	3,911.91	370.90
For >10 To 20, Deduct	-97.80	
For >20 To 40, Deduct	-195.60	
For >40, Deduct	-311.94	
26 56 13 00-0144 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,144.42	417.27
For >10 To 20, Deduct	-103.61	
For >20 To 40, Deduct	-207.22	
For >40, Deduct	-331.69	
26 56 13 00-0145 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,214.98	417.27
For >10 To 20, Deduct	-105.37	
For >20 To 40, Deduct	-210.75	
For >40, Deduct	-336.99	
26 56 13 00-0146 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,290.24	417.27
For >10 To 20, Deduct	-107.26	
For >20 To 40, Deduct	-214.51	
For >40, Deduct	-342.63	
26 56 13 00-0147 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,744.23	417.27
For >10 To 20, Deduct	-118.61	
For >20 To 40, Deduct	-237.21	
For >40, Deduct	-376.68	
26 56 13 00-0148 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,513.63	440.44
For >10 To 20, Deduct	-112.84	
For >20 To 40, Deduct	-225.68	
For >40, Deduct	-360.54	
26 56 13 00-0149 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,096.15	440.44
For >10 To 20, Deduct	-127.40	
For >20 To 40, Deduct	-254.81	
For >40, Deduct	-404.23	
26 56 13 00-0150 EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,152.89	440.44
For >10 To 20, Deduct	-128.82	
For >20 To 40, Deduct	-257.64	
For >40, Deduct	-408.49	

26	26 Electrical
	26 50 Lighting
	26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,513.08	440.44
			<i>For >10 To 20, Deduct</i>	-137.83	
			<i>For >20 To 40, Deduct</i>	-275.65	
			<i>For >40, Deduct</i>	-435.50	
26 56	13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,841.59	440.44
			<i>For >10 To 20, Deduct</i>	-146.04	
			<i>For >20 To 40, Deduct</i>	-292.08	
			<i>For >40, Deduct</i>	-460.14	
26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms					
26 56	13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	4,791.35	463.63
			<i>For >10 To 20, Deduct</i>	-119.78	
			<i>For >20 To 40, Deduct</i>	-239.57	
			<i>For >40, Deduct</i>	-382.53	
26 56	13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	4,917.67	486.81
			<i>For >10 To 20, Deduct</i>	-122.94	
			<i>For >20 To 40, Deduct</i>	-245.88	
			<i>For >40, Deduct</i>	-393.17	
26 56	13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,015.50	509.99
			<i>For >10 To 20, Deduct</i>	-125.39	
			<i>For >20 To 40, Deduct</i>	-250.78	
			<i>For >40, Deduct</i>	-401.66	
26 56	13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,152.59	509.99
			<i>For >10 To 20, Deduct</i>	-128.81	
			<i>For >20 To 40, Deduct</i>	-257.63	
			<i>For >40, Deduct</i>	-411.94	
26 56	13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,615.78	533.17
			<i>For >10 To 20, Deduct</i>	-140.39	
			<i>For >20 To 40, Deduct</i>	-280.79	
			<i>For >40, Deduct</i>	-447.84	
26 56	13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,484.57	556.36
			<i>For >10 To 20, Deduct</i>	-162.11	
			<i>For >20 To 40, Deduct</i>	-324.23	
			<i>For >40, Deduct</i>	-514.16	
26 56	13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,275.40	533.17
			<i>For >10 To 20, Deduct</i>	-156.89	
			<i>For >20 To 40, Deduct</i>	-313.77	
			<i>For >40, Deduct</i>	-497.31	
26 56	13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,388.76	556.36
			<i>For >10 To 20, Deduct</i>	-159.72	
			<i>For >20 To 40, Deduct</i>	-319.44	
			<i>For >40, Deduct</i>	-506.97	
26 56	13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,841.53	579.53
			<i>For >10 To 20, Deduct</i>	-196.04	
			<i>For >20 To 40, Deduct</i>	-392.08	
			<i>For >40, Deduct</i>	-617.09	
26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm					
<small>(26 56 13 00-0163)</small>					
26 56	13 00-0164	EA	Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm		
26 56	13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,038.34	278.18
			<i>For >10 To 20, Deduct</i>	-75.96	
			<i>For >20 To 40, Deduct</i>	-151.92	
			<i>For >40, Deduct</i>	-241.78	
26 56	13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,126.76	278.18
			<i>For >10 To 20, Deduct</i>	-78.17	
			<i>For >20 To 40, Deduct</i>	-156.34	
			<i>For >40, Deduct</i>	-248.42	
26 56	13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,215.37	278.18
			<i>For >10 To 20, Deduct</i>	-80.38	
			<i>For >20 To 40, Deduct</i>	-160.77	
			<i>For >40, Deduct</i>	-255.06	
26 56	13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,585.32	370.90
			<i>For >10 To 20, Deduct</i>	-89.63	
			<i>For >20 To 40, Deduct</i>	-179.27	
			<i>For >40, Deduct</i>	-287.44	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0169 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,652.71	370.90
For >10 To 20, Deduct	-91.32	
For >20 To 40, Deduct	-182.64	
For >40, Deduct	-292.50	
26 56 13 00-0170 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,726.34	370.90
For >10 To 20, Deduct	-93.16	
For >20 To 40, Deduct	-186.32	
For >40, Deduct	-298.02	
26 56 13 00-0171 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,047.46	417.27
For >10 To 20, Deduct	-101.19	
For >20 To 40, Deduct	-202.37	
For >40, Deduct	-324.42	
26 56 13 00-0172 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,138.95	417.27
For >10 To 20, Deduct	-103.47	
For >20 To 40, Deduct	-206.95	
For >40, Deduct	-331.28	
26 56 13 00-0173 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,152.67	417.27
For >10 To 20, Deduct	-103.82	
For >20 To 40, Deduct	-207.63	
For >40, Deduct	-332.31	
26 56 13 00-0174 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,419.35	440.44
For >10 To 20, Deduct	-110.48	
For >20 To 40, Deduct	-220.97	
For >40, Deduct	-353.47	
26 56 13 00-0175 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,459.48	440.44
For >10 To 20, Deduct	-111.49	
For >20 To 40, Deduct	-222.97	
For >40, Deduct	-356.48	
26 56 13 00-0176 EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,553.56	440.44
For >10 To 20, Deduct	-113.84	
For >20 To 40, Deduct	-227.68	
For >40, Deduct	-363.54	
26 56 13 00-0177 Area Light Poles <small>(26 56 13 00-0001)</small>		
26 56 13 00-0178 Steel Area Light Poles <small>(26 56 13 00-0177)</small>		
Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179 Round Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180 Round Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181 EA 10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	721.64	162.27
For Galvanized Finish, Add	11.91	
For >10 To 20, Deduct	-24.00	
For >20 To 40, Deduct	-44.02	
For >40, Deduct	-92.02	
26 56 13 00-0182 EA 12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	790.00	185.45
For Galvanized Finish, Add	12.57	
For >10 To 20, Deduct	-26.04	
For >20 To 40, Deduct	-47.88	
For >40, Deduct	-99.96	
26 56 13 00-0183 EA 14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	883.67	208.63
For Galvanized Finish, Add	13.99	
For >10 To 20, Deduct	-29.09	
For >20 To 40, Deduct	-53.51	
For >40, Deduct	-111.69	
26 56 13 00-0184 EA 16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	979.53	231.82
For Galvanized Finish, Add	15.48	
For >10 To 20, Deduct	-32.23	
For >20 To 40, Deduct	-59.29	
For >40, Deduct	-123.75	
26 56 13 00-0185 EA 18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,047.89	254.99
For Galvanized Finish, Add	16.14	
For >10 To 20, Deduct	-34.27	
For >20 To 40, Deduct	-63.15	
For >40, Deduct	-131.68	
26 56 13 00-0186 EA 20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,110.76	278.18
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-36.09	
For >20 To 40, Deduct	-66.63	
For >40, Deduct	-138.80	
26 56 13 00-0187 EA 10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	750.24	162.27
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-25.14	
For >20 To 40, Deduct	-46.03	
For >40, Deduct	-96.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0188 EA 12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	819.70	185.45
For Galvanized Finish, Add	13.46	
For >10 To 20, Deduct	-27.22	
For >20 To 40, Deduct	-49.96	
For >40, Deduct	-104.41	
26 56 13 00-0189 EA 14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	943.07	208.63
For Galvanized Finish, Add	15.77	
For >10 To 20, Deduct	-31.46	
For >20 To 40, Deduct	-57.67	
For >40, Deduct	-120.60	
26 56 13 00-0190 EA 16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,018.03	231.82
For Galvanized Finish, Add	16.63	
For >10 To 20, Deduct	-33.77	
For >20 To 40, Deduct	-61.99	
For >40, Deduct	-129.52	
26 56 13 00-0191 EA 18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,089.69	254.99
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-35.94	
For >20 To 40, Deduct	-66.08	
For >40, Deduct	-137.95	
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,150.36	278.18
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-37.67	
For >20 To 40, Deduct	-69.40	
For >40, Deduct	-144.74	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,376.50	370.90
For Galvanized Finish, Add	19.04	
For >10 To 20, Deduct	-43.93	
For >20 To 40, Deduct	-81.52	
For >40, Deduct	-169.39	
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	750.24	162.27
For Galvanized Finish, Add	12.77	
For >10 To 20, Deduct	-25.14	
For >20 To 40, Deduct	-46.03	
For >40, Deduct	-96.31	
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	823.00	185.45
For Galvanized Finish, Add	13.56	
For >10 To 20, Deduct	-27.36	
For >20 To 40, Deduct	-50.19	
For >40, Deduct	-104.91	
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	960.67	208.63
For Galvanized Finish, Add	16.30	
For >10 To 20, Deduct	-32.17	
For >20 To 40, Deduct	-58.90	
For >40, Deduct	-123.24	
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,021.33	231.82
For Galvanized Finish, Add	16.73	
For >10 To 20, Deduct	-33.90	
For >20 To 40, Deduct	-62.22	
For >40, Deduct	-130.02	
26 56 13 00-0198 EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,089.69	254.99
For Galvanized Finish, Add	17.39	
For >10 To 20, Deduct	-35.94	
For >20 To 40, Deduct	-66.08	
For >40, Deduct	-137.95	
26 56 13 00-0199 EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,150.36	278.18
For Galvanized Finish, Add	17.82	
For >10 To 20, Deduct	-37.67	
For >20 To 40, Deduct	-69.40	
For >40, Deduct	-144.74	
26 56 13 00-0200 EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,407.30	370.90
For Galvanized Finish, Add	19.97	
For >10 To 20, Deduct	-45.17	
For >20 To 40, Deduct	-83.68	
For >40, Deduct	-174.01	
26 56 13 00-0201 EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,557.23	417.27
For Galvanized Finish, Add	21.68	
For >10 To 20, Deduct	-49.77	
For >20 To 40, Deduct	-92.32	
For >40, Deduct	-191.86	
26 56 13 00-0202 EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,220.76	278.18
For Galvanized Finish, Add	19.93	
For >10 To 20, Deduct	-40.49	
For >20 To 40, Deduct	-74.33	
For >40, Deduct	-155.30	
26 56 13 00-0203 EA 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,421.60	370.90
For Galvanized Finish, Add	20.39	
For >10 To 20, Deduct	-45.74	
For >20 To 40, Deduct	-84.68	
For >40, Deduct	-176.15	
26 56 13 00-0204 EA 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,584.73	417.27
For Galvanized Finish, Add	22.51	
For >10 To 20, Deduct	-50.87	
For >20 To 40, Deduct	-94.24	
For >40, Deduct	-195.98	



Electrical		26	26
Lighting		26 50	
Exterior Lighting		26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0205 Round Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207 EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,469.36	278.18
For Galvanized Finish, Add	27.39	
For >10 To 20, Deduct	-50.43	
For >20 To 40, Deduct	-91.73	
For >40, Deduct	-192.59	
26 56 13 00-0208 EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,503.46	278.18
For Galvanized Finish, Add	28.41	
For >10 To 20, Deduct	-51.79	
For >20 To 40, Deduct	-94.12	
For >40, Deduct	-197.70	
26 56 13 00-0209 EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,763.70	370.90
For Galvanized Finish, Add	30.66	
For >10 To 20, Deduct	-59.42	
For >20 To 40, Deduct	-108.62	
For >40, Deduct	-227.47	
26 56 13 00-0210 EA 25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,834.10	370.90
For Galvanized Finish, Add	32.77	
For >10 To 20, Deduct	-62.24	
For >20 To 40, Deduct	-113.55	
For >40, Deduct	-238.03	
26 56 13 00-0211 EA 30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	1,966.43	417.27
For Galvanized Finish, Add	33.96	
For >10 To 20, Deduct	-66.14	
For >20 To 40, Deduct	-120.96	
For >40, Deduct	-253.24	
26 56 13 00-0212 EA 30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,084.13	417.27
For Galvanized Finish, Add	37.49	
For >10 To 20, Deduct	-70.85	
For >20 To 40, Deduct	-129.20	
For >40, Deduct	-270.89	
26 56 13 00-0213 EA 35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,154.69	440.44
For Galvanized Finish, Add	38.21	
For >10 To 20, Deduct	-72.97	
For >20 To 40, Deduct	-133.21	
For >40, Deduct	-279.16	
26 56 13 00-0214 EA 35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,227.29	440.44
For Galvanized Finish, Add	40.39	
For >10 To 20, Deduct	-75.88	
For >20 To 40, Deduct	-138.29	
For >40, Deduct	-290.05	
26 56 13 00-0215 EA 35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,401.09	440.44
For Galvanized Finish, Add	45.61	
For >10 To 20, Deduct	-82.83	
For >20 To 40, Deduct	-150.46	
For >40, Deduct	-316.12	
26 56 13 00-0216 EA 39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,434.25	463.63
For Galvanized Finish, Add	45.21	
For >10 To 20, Deduct	-83.46	
For >20 To 40, Deduct	-151.85	
For >40, Deduct	-318.78	
26 56 13 00-0217 EA 39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,465.05	463.63
For Galvanized Finish, Add	46.13	
For >10 To 20, Deduct	-84.69	
For >20 To 40, Deduct	-154.01	
For >40, Deduct	-323.40	
26 56 13 00-0218 EA 45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,336.13	602.72
For Galvanized Finish, Add	63.92	
For >10 To 20, Deduct	-115.36	
For >20 To 40, Deduct	-209.42	
For >40, Deduct	-440.15	
26 56 13 00-0219 EA 50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,514.98	695.44
For Galvanized Finish, Add	63.72	
For >10 To 20, Deduct	-119.74	
For >20 To 40, Deduct	-218.23	
For >40, Deduct	-457.70	
26 56 13 00-0220 EA 25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,311.50	370.90
For Galvanized Finish, Add	47.09	
For >10 To 20, Deduct	-81.33	
For >20 To 40, Deduct	-146.97	
For >40, Deduct	-309.64	
26 56 13 00-0221 EA 30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,622.03	417.27
For Galvanized Finish, Add	53.63	
For >10 To 20, Deduct	-92.36	
For >20 To 40, Deduct	-166.85	
For >40, Deduct	-351.58	
26 56 13 00-0222 EA 39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,027.15	463.63
For Galvanized Finish, Add	63.00	
For >10 To 20, Deduct	-107.18	
For >20 To 40, Deduct	-193.36	
For >40, Deduct	-407.71	

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,679.33 74.22 -129.09 -233.44 -491.63	602.72
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,289.38 86.96 -150.71 -272.44 -573.86	695.44
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,737.08 100.39 -168.62 -303.78 -641.02	695.44
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,233.08 145.27 -228.46 -408.50 -865.42	695.44
26 56	13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	6,959.08 167.05 -257.50 -459.32 -974.32	695.44
26 56 13 00-0228 Square Straight, Steel Area Light Poles (26 56 13 00-0178)					
26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0228)					
26 56	13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	712.84 11.65 -23.65 -43.41 -90.70	162.27
26 56	13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	759.20 11.65 -24.80 -45.73 -95.34	185.45
26 56	13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	824.27 12.21 -26.71 -49.35 -102.78	208.63
26 56	13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	873.84 13.00 -28.35 -52.36 -109.05	220.22
26 56	13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	897.03 13.00 -28.93 -53.52 -111.37	231.82
26 56	13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	955.49 13.37 -30.57 -56.68 -117.82	254.99
26 56	13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,011.76 13.66 -32.13 -59.70 -123.95	278.18
26 56	13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,263.20 15.64 -39.40 -73.59 -152.39	370.90
26 56	13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,160.26 18.12 -38.07 -70.09 -146.22	278.18
26 56	13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,467.80 21.78 -47.59 -87.91 -183.08	370.90
26 56	13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,680.43 25.38 -54.70 -100.94 -210.34	417.27



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,119.56 16.90 -36.44 -67.24 -140.12	278.18
26 56	13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,388.60 19.40 -44.42 -82.37 -171.20	370.90
26 56	13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,612.23 23.33 -51.97 -96.17 -200.11	417.27
26 56	13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,259.26 21.09 -42.03 -77.02 -161.07	278.18
26 56	13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,566.80 24.75 -51.55 -94.84 -197.93	370.90
26 56	13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,773.93 28.18 -58.44 -107.48 -224.36	417.27
26 56	13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,956.69 32.27 -65.05 -119.35 -249.46	440.44
26 56	13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,990.63 34.68 -67.11 -122.65 -256.87	417.27
26 56	13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,174.49 38.81 -73.77 -134.60 -282.13	440.44
26 56	13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,298.95 41.15 -78.05 -142.38 -298.48	463.63
26 56	13 00-0251		Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56	13 00-0252		Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56	13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,380.39 54.72 -86.87 -155.50 -329.24	278.18
26 56	13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,689.85 58.44 -96.47 -173.45 -366.39	370.90
26 56	13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,709.22 86.24 -135.85 -242.95 -514.66	417.27
26 56	13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,424.85 56.05 -88.65 -158.61 -335.91	278.18
26 56	13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,948.42 66.20 -106.81 -191.55 -405.17	370.90
26 56	13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,094.15 97.79 -151.25 -269.90 -572.40	417.27

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,677.54 113.90 -173.89 -309.81 -657.59	440.44
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,469.19 136.26 -204.86 -364.30 -774.02	463.63
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,310.19 52.61 -84.06 -150.59 -318.71	278.18
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,577.53 55.07 -91.97 -165.59 -349.54	370.90
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,511.49 80.31 -127.94 -229.11 -485.00	417.27
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,390.92 55.04 -87.29 -156.24 -330.82	278.18
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,843.12 63.04 -102.60 -184.18 -389.38	370.90
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,947.90 93.40 -145.40 -259.66 -550.46	417.27
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,514.94 58.76 -92.25 -164.92 -349.42	278.18
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,066.59 69.74 -111.54 -199.83 -422.90	370.90
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,211.15 101.30 -155.93 -278.09 -589.95	417.27
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	4,820.28 118.18 -179.60 -319.80 -679.00	440.44
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	5,545.24 138.54 -207.90 -369.62 -785.42	463.63
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,840.06 38.51 -65.26 -117.68 -248.19	278.18
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,252.10 45.31 -78.96 -142.81 -300.73	370.90
26 56 13 00-0276	EA		35' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base <i>For Galvanized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,508.73 50.23 -87.83 -158.92 -334.58	417.27



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0277 EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,771.79	440.44
For Galvanized Finish, Add	56.73	
For >10 To 20, Deduct	-97.66	
For >20 To 40, Deduct	-176.41	
For >40, Deduct	-371.72	
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	2,921.55	463.63
For Galvanized Finish, Add	59.83	
For >10 To 20, Deduct	-102.95	
For >20 To 40, Deduct	-185.96	
For >40, Deduct	-391.87	
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,333.96	278.18
For Galvanized Finish, Add	53.33	
For >10 To 20, Deduct	-85.01	
For >20 To 40, Deduct	-152.25	
For >40, Deduct	-322.28	
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,639.30	370.90
For Galvanized Finish, Add	56.93	
For >10 To 20, Deduct	-94.45	
For >20 To 40, Deduct	-169.92	
For >40, Deduct	-358.81	
26 56 13 00-0281 EA 30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	2,825.53	417.27
For Galvanized Finish, Add	59.73	
For >10 To 20, Deduct	-100.50	
For >20 To 40, Deduct	-181.10	
For >40, Deduct	-382.10	
26 56 13 00-0282 EA 30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,115.93	417.27
For Galvanized Finish, Add	68.44	
For >10 To 20, Deduct	-112.12	
For >20 To 40, Deduct	-201.42	
For >40, Deduct	-425.66	
26 56 13 00-0283 EA 35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,371.29	440.44
For Galvanized Finish, Add	74.71	
For >10 To 20, Deduct	-121.64	
For >20 To 40, Deduct	-218.37	
For >40, Deduct	-461.65	
26 56 13 00-0284 EA 35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,730.99	440.44
For Galvanized Finish, Add	85.50	
For >10 To 20, Deduct	-136.03	
For >20 To 40, Deduct	-243.55	
For >40, Deduct	-515.60	
26 56 13 00-0285 EA 39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,434.15	463.63
For Galvanized Finish, Add	75.21	
For >10 To 20, Deduct	-123.46	
For >20 To 40, Deduct	-221.85	
For >40, Deduct	-468.76	
26 56 13 00-0286 EA 39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,319.65	463.63
For Galvanized Finish, Add	101.77	
For >10 To 20, Deduct	-158.88	
For >20 To 40, Deduct	-283.83	
For >40, Deduct	-601.59	
26 56 13 00-0287 EA 45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,085.23	602.72
For Galvanized Finish, Add	86.39	
For >10 To 20, Deduct	-145.33	
For >20 To 40, Deduct	-261.86	
For >40, Deduct	-552.51	
26 56 13 00-0288 EA 45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,689.13	602.72
For Galvanized Finish, Add	104.51	
For >10 To 20, Deduct	-169.48	
For >20 To 40, Deduct	-304.13	
For >40, Deduct	-643.10	
26 56 13 00-0289 EA 50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,905.38	695.44
For Galvanized Finish, Add	105.44	
For >10 To 20, Deduct	-175.35	
For >20 To 40, Deduct	-315.56	
For >40, Deduct	-666.26	
26 56 13 00-0290 Factory Accessories For Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	39.00	
26 56 13 00-0292 EA Festoon Outlet Provision For Steel Area Light Poles.....	54.00	
Note: Excludes electrical outlet.		
26 56 13 00-0293 EA Extra Handhole For Steel Area Light Poles	58.00	
26 56 13 00-0294 EA Vibration Dampener For Steel Area Light Poles	59.00	
26 56 13 00-0295 Aluminum Area Light Poles <small>(26 56 13 00-0177)</small>		
Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0296 Round Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297 Round Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0296)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0298 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	707.18	139.09
For Bronze Or Satin Anodized Finish, Add	42.90	
For Black Anodized Finish, Add	85.80	
For >10 To 20, Deduct	-24.11	
For >20 To 40, Deduct	-43.94	
For >40, Deduct	-92.17	
26 56 13 00-0299 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	775.54	162.27
For Bronze Or Satin Anodized Finish, Add	45.10	
For Black Anodized Finish, Add	90.20	
For >10 To 20, Deduct	-26.15	
For >20 To 40, Deduct	-47.80	
For >40, Deduct	-100.10	
26 56 13 00-0300 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	849.40	185.45
For Bronze Or Satin Anodized Finish, Add	47.85	
For Black Anodized Finish, Add	95.70	
For >10 To 20, Deduct	-28.41	
For >20 To 40, Deduct	-52.04	
For >40, Deduct	-108.87	
26 56 13 00-0301 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	924.37	208.63
For Bronze Or Satin Anodized Finish, Add	50.71	
For Black Anodized Finish, Add	101.42	
For >10 To 20, Deduct	-30.72	
For >20 To 40, Deduct	-56.36	
For >40, Deduct	-117.79	
26 56 13 00-0302 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	966.24	220.22
For Bronze Or Satin Anodized Finish, Add	52.58	
For Black Anodized Finish, Add	105.16	
For >10 To 20, Deduct	-32.04	
For >20 To 40, Deduct	-58.83	
For >40, Deduct	-122.91	
26 56 13 00-0303 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,007.03	231.82
For Bronze Or Satin Anodized Finish, Add	54.34	
For Black Anodized Finish, Add	108.68	
For >10 To 20, Deduct	-33.33	
For >20 To 40, Deduct	-61.22	
For >40, Deduct	-127.87	
26 56 13 00-0304 EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,073.03	231.82
For Bronze Or Satin Anodized Finish, Add	60.94	
For Black Anodized Finish, Add	121.88	
For >10 To 20, Deduct	-35.97	
For >20 To 40, Deduct	-65.84	
For >40, Deduct	-137.77	
26 56 13 00-0305 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,161.19	254.99
For Bronze Or Satin Anodized Finish, Add	65.12	
For Black Anodized Finish, Add	130.24	
For >10 To 20, Deduct	-38.80	
For >20 To 40, Deduct	-71.08	
For >40, Deduct	-148.68	
26 56 13 00-0306 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,242.76	278.18
For Bronze Or Satin Anodized Finish, Add	68.64	
For Black Anodized Finish, Add	137.28	
For >10 To 20, Deduct	-41.37	
For >20 To 40, Deduct	-75.87	
For >40, Deduct	-158.60	
26 56 13 00-0307 EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,209.34	220.22
For Bronze Or Satin Anodized Finish, Add	76.89	
For Black Anodized Finish, Add	153.78	
For >10 To 20, Deduct	-41.77	
For >20 To 40, Deduct	-75.85	
For >40, Deduct	-159.38	
26 56 13 00-0308 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,485.86	278.18
For Bronze Or Satin Anodized Finish, Add	92.95	
For Black Anodized Finish, Add	185.90	
For >10 To 20, Deduct	-51.09	
For >20 To 40, Deduct	-92.88	
For >40, Deduct	-195.06	
26 56 13 00-0309 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,609.06	278.18
For Bronze Or Satin Anodized Finish, Add	105.27	
For Black Anodized Finish, Add	210.54	
For >10 To 20, Deduct	-56.02	
For >20 To 40, Deduct	-101.51	
For >40, Deduct	-213.54	
26 56 13 00-0310 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,910.00	370.90
For Bronze Or Satin Anodized Finish, Add	116.82	
For Black Anodized Finish, Add	233.64	
For >10 To 20, Deduct	-65.27	
For >20 To 40, Deduct	-118.86	
For >40, Deduct	-249.41	
26 56 13 00-0311 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,221.63	417.27
For Bronze Or Satin Anodized Finish, Add	138.71	
For Black Anodized Finish, Add	277.42	
For >10 To 20, Deduct	-76.35	
For >20 To 40, Deduct	-138.82	
For >40, Deduct	-291.52	



Electrical	26
Lighting	26 50
Exterior Lighting	26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0312 EA 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,318.66	278.18
For Bronze Or Satin Anodized Finish, Add	76.23	
For Black Anodized Finish, Add	152.46	
For >10 To 20, Deduct	-44.40	
For >20 To 40, Deduct	-81.18	
For >40, Deduct	-169.98	
26 56 13 00-0313 EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,599.16	278.18
For Bronze Or Satin Anodized Finish, Add	104.28	
For Black Anodized Finish, Add	208.56	
For >10 To 20, Deduct	-55.62	
For >20 To 40, Deduct	-100.81	
For >40, Deduct	-212.06	
26 56 13 00-0314 EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,892.40	370.90
For Bronze Or Satin Anodized Finish, Add	115.06	
For Black Anodized Finish, Add	230.12	
For >10 To 20, Deduct	-64.57	
For >20 To 40, Deduct	-117.63	
For >40, Deduct	-246.77	
26 56 13 00-0315 EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,051.90	370.90
For Bronze Or Satin Anodized Finish, Add	131.01	
For Black Anodized Finish, Add	262.02	
For >10 To 20, Deduct	-70.95	
For >20 To 40, Deduct	-128.80	
For >40, Deduct	-270.70	
26 56 13 00-0316 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,402.03	417.27
For Bronze Or Satin Anodized Finish, Add	156.75	
For Black Anodized Finish, Add	313.50	
For >10 To 20, Deduct	-83.56	
For >20 To 40, Deduct	-151.45	
For >40, Deduct	-318.58	
26 56 13 00-0317 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base <small>(26 56 13 00-0296)</small>		
26 56 13 00-0318 EA 8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	819.38	139.90
For Bronze, Satin Or Black Anodized Finish, Add	81.18	
For >10 To 20, Deduct	-28.60	
For >20 To 40, Deduct	-51.79	
For >40, Deduct	-109.00	
26 56 13 00-0319 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	909.74	162.27
For Bronze, Satin Or Black Anodized Finish, Add	87.78	
For >10 To 20, Deduct	-31.52	
For >20 To 40, Deduct	-57.19	
For >40, Deduct	-120.23	
26 56 13 00-0320 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	995.70	185.45
For Bronze, Satin Or Black Anodized Finish, Add	93.72	
For >10 To 20, Deduct	-34.26	
For >20 To 40, Deduct	-62.28	
For >40, Deduct	-130.81	
26 56 13 00-0321 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,060.77	208.63
For Bronze, Satin Or Black Anodized Finish, Add	96.53	
For >10 To 20, Deduct	-36.17	
For >20 To 40, Deduct	-65.91	
For >40, Deduct	-138.25	
26 56 13 00-0322 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,139.03	231.82
For Bronze, Satin Or Black Anodized Finish, Add	101.31	
For >10 To 20, Deduct	-38.61	
For >20 To 40, Deduct	-70.46	
For >40, Deduct	-147.67	
26 56 13 00-0323 EA 10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	932.84	162.27
For Bronze, Satin Or Black Anodized Finish, Add	91.25	
For >10 To 20, Deduct	-32.45	
For >20 To 40, Deduct	-58.81	
For >40, Deduct	-123.70	
26 56 13 00-0324 EA 12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,016.60	185.45
For Bronze, Satin Or Black Anodized Finish, Add	96.86	
For >10 To 20, Deduct	-35.10	
For >20 To 40, Deduct	-63.74	
For >40, Deduct	-133.95	
26 56 13 00-0325 EA 14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,103.67	208.63
For Bronze, Satin Or Black Anodized Finish, Add	102.96	
For >10 To 20, Deduct	-37.89	
For >20 To 40, Deduct	-68.91	
For >40, Deduct	-144.69	
26 56 13 00-0326 EA 16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,189.63	231.82
For Bronze, Satin Or Black Anodized Finish, Add	108.90	
For >10 To 20, Deduct	-40.63	
For >20 To 40, Deduct	-74.00	
For >40, Deduct	-155.26	
26 56 13 00-0327 EA 18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,281.09	254.99
For Bronze, Satin Or Black Anodized Finish, Add	115.67	
For >10 To 20, Deduct	-43.59	
For >20 To 40, Deduct	-79.48	
For >40, Deduct	-166.66	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0328 EA 20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,365.96 121.44 -46.29 -84.49 -177.08	278.18
26 56 13 00-0329 EA 12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,059.50 103.29 -36.82 -66.75 -140.38	185.45
26 56 13 00-0330 EA 14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,154.27 110.55 -39.91 -72.45 -152.28	208.63
26 56 13 00-0331 EA 16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,247.93 117.65 -42.96 -78.08 -164.01	231.82
26 56 13 00-0332 EA 18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,343.79 125.07 -46.10 -83.87 -176.07	254.99
26 56 13 00-0333 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,309.53 126.89 -45.43 -82.39 -173.25	231.82
26 56 13 00-0334 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,510.06 143.06 -52.06 -94.58 -198.69	278.18
26 56 13 00-0335 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,100.20 109.40 -38.44 -69.60 -146.49	185.45
26 56 13 00-0336 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,207.07 118.47 -42.02 -76.15 -160.20	208.63
26 56 13 00-0337 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,302.93 125.90 -45.16 -81.93 -172.26	231.82
26 56 13 00-0338 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,405.39 134.31 -48.57 -88.18 -185.31	254.99
26 56 13 00-0339 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,504.56 142.23 -51.84 -94.19 -197.87	278.18
26 56 13 00-0340 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,383.23 137.94 -48.37 -87.55 -184.30	231.82
26 56 13 00-0341 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,495.59 147.84 -52.17 -94.49 -198.84	254.99
26 56 13 00-0342 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,538.66 147.35 -53.20 -96.58 -202.98	278.18
26 56 13 00-0343 Round Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0296)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0344 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	636.62 40.48 80.96 -21.99 -39.93 -83.90	115.90



		Electrical	26
		Lighting	26 50
		Exterior Lighting	26 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0345 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	680.69	127.50
For Bronze Or Satin Anodized Finish, Add	42.57	
For Black Anodized Finish, Add	85.14	
For >10 To 20, Deduct	-23.40	
For >20 To 40, Deduct	-42.55	
For >40, Deduct	-89.35	
26 56 13 00-0346 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	753.38	139.09
For Bronze Or Satin Anodized Finish, Add	47.52	
For Black Anodized Finish, Add	95.04	
For >10 To 20, Deduct	-25.96	
For >20 To 40, Deduct	-47.17	
For >40, Deduct	-99.10	
26 56 13 00-0347 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	778.68	139.09
For Bronze Or Satin Anodized Finish, Add	50.05	
For Black Anodized Finish, Add	100.10	
For >10 To 20, Deduct	-26.97	
For >20 To 40, Deduct	-48.94	
For >40, Deduct	-102.89	
26 56 13 00-0348 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	810.58	139.09
For Bronze Or Satin Anodized Finish, Add	53.24	
For Black Anodized Finish, Add	106.48	
For >10 To 20, Deduct	-28.25	
For >20 To 40, Deduct	-51.18	
For >40, Deduct	-107.68	
26 56 13 00-0349 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	930.56	150.68
For Bronze Or Satin Anodized Finish, Add	62.92	
For Black Anodized Finish, Add	125.84	
For >10 To 20, Deduct	-32.70	
For >20 To 40, Deduct	-59.11	
For >40, Deduct	-124.52	
26 56 13 00-0350 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	994.44	162.27
For Bronze Or Satin Anodized Finish, Add	66.99	
For Black Anodized Finish, Add	133.98	
For >10 To 20, Deduct	-34.91	
For >20 To 40, Deduct	-63.12	
For >40, Deduct	-132.94	
26 56 13 00-0351 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,164.94	162.27
For Bronze Or Satin Anodized Finish, Add	84.04	
For Black Anodized Finish, Add	168.08	
For >10 To 20, Deduct	-41.73	
For >20 To 40, Deduct	-75.06	
For >40, Deduct	-158.51	
26 56 13 00-0352 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,430.20	185.45
For Bronze Or Satin Anodized Finish, Add	105.93	
For Black Anodized Finish, Add	211.86	
For >10 To 20, Deduct	-51.64	
For >20 To 40, Deduct	-92.70	
For >40, Deduct	-195.99	
26 56 13 00-0353 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,623.97	208.63
For Bronze Or Satin Anodized Finish, Add	120.67	
For Black Anodized Finish, Add	241.34	
For >10 To 20, Deduct	-58.70	
For >20 To 40, Deduct	-105.33	
For >40, Deduct	-222.73	
26 56 13 00-0354 EA 30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,825.27	208.63
For Bronze Or Satin Anodized Finish, Add	140.80	
For Black Anodized Finish, Add	281.60	
For >10 To 20, Deduct	-66.75	
For >20 To 40, Deduct	-119.42	
For >40, Deduct	-252.93	
26 56 13 00-0355 Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>		
26 56 13 00-0356 Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0355)</small>		
26 56 13 00-0357 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	589.48	139.09
For Bronze Or Satin Anodized Finish, Add	31.13	
For Black Anodized Finish, Add	62.26	
For >10 To 20, Deduct	-19.41	
For >20 To 40, Deduct	-35.70	
For >40, Deduct	-74.51	
26 56 13 00-0358 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	661.14	162.27
For Bronze Or Satin Anodized Finish, Add	33.66	
For Black Anodized Finish, Add	67.32	
For >10 To 20, Deduct	-21.58	
For >20 To 40, Deduct	-39.79	
For >40, Deduct	-82.94	
26 56 13 00-0359 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	732.80	185.45
For Bronze Or Satin Anodized Finish, Add	36.19	
For Black Anodized Finish, Add	72.38	
For >10 To 20, Deduct	-23.75	
For >20 To 40, Deduct	-43.88	
For >40, Deduct	-91.38	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0360 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	814.37	208.63
For Bronze Or Satin Anodized Finish, Add	39.71	
For Black Anodized Finish, Add	79.42	
For >10 To 20, Deduct	-26.32	
For >20 To 40, Deduct	-48.66	
For >40, Deduct	-101.29	
26 56 13 00-0361 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	894.83	231.82
For Bronze Or Satin Anodized Finish, Add	43.12	
For Black Anodized Finish, Add	86.24	
For >10 To 20, Deduct	-28.84	
For >20 To 40, Deduct	-53.37	
For >40, Deduct	-111.04	
26 56 13 00-0362 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	689.74	162.27
For Bronze Or Satin Anodized Finish, Add	36.52	
For Black Anodized Finish, Add	73.04	
For >10 To 20, Deduct	-22.72	
For >20 To 40, Deduct	-41.79	
For >40, Deduct	-87.23	
26 56 13 00-0363 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	777.90	185.45
For Bronze Or Satin Anodized Finish, Add	40.70	
For Black Anodized Finish, Add	81.40	
For >10 To 20, Deduct	-25.55	
For >20 To 40, Deduct	-47.04	
For >40, Deduct	-98.14	
26 56 13 00-0364 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	862.77	208.63
For Bronze Or Satin Anodized Finish, Add	44.55	
For Black Anodized Finish, Add	89.10	
For >10 To 20, Deduct	-28.25	
For >20 To 40, Deduct	-52.05	
For >40, Deduct	-108.55	
26 56 13 00-0365 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,024.79	254.99
For Bronze Or Satin Anodized Finish, Add	51.48	
For Black Anodized Finish, Add	102.96	
For >10 To 20, Deduct	-33.34	
For >20 To 40, Deduct	-61.54	
For >40, Deduct	-128.22	
26 56 13 00-0366 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,098.66	278.18
For Bronze Or Satin Anodized Finish, Add	54.23	
For Black Anodized Finish, Add	108.46	
For >10 To 20, Deduct	-35.60	
For >20 To 40, Deduct	-65.78	
For >40, Deduct	-136.98	
26 56 13 00-0367 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	818.60	185.45
For Bronze Or Satin Anodized Finish, Add	44.77	
For Black Anodized Finish, Add	89.54	
For >10 To 20, Deduct	-27.18	
For >20 To 40, Deduct	-49.88	
For >40, Deduct	-104.25	
26 56 13 00-0368 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	910.07	208.63
For Bronze Or Satin Anodized Finish, Add	49.28	
For Black Anodized Finish, Add	98.56	
For >10 To 20, Deduct	-30.14	
For >20 To 40, Deduct	-55.36	
For >40, Deduct	-115.65	
26 56 13 00-0369 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,009.23	231.82
For Bronze Or Satin Anodized Finish, Add	54.56	
For Black Anodized Finish, Add	109.12	
For >10 To 20, Deduct	-33.41	
For >20 To 40, Deduct	-61.37	
For >40, Deduct	-128.20	
26 56 13 00-0370 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,088.59	254.99
For Bronze Or Satin Anodized Finish, Add	57.86	
For Black Anodized Finish, Add	115.72	
For >10 To 20, Deduct	-35.89	
For >20 To 40, Deduct	-66.00	
For >40, Deduct	-137.79	
26 56 13 00-0371 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,183.36	278.18
For Bronze Or Satin Anodized Finish, Add	62.70	
For Black Anodized Finish, Add	125.40	
For >10 To 20, Deduct	-38.99	
For >20 To 40, Deduct	-71.71	
For >40, Deduct	-149.69	
26 56 13 00-0372 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,117.03	231.82
For Bronze Or Satin Anodized Finish, Add	65.34	
For Black Anodized Finish, Add	130.68	
For >10 To 20, Deduct	-37.73	
For >20 To 40, Deduct	-68.92	
For >40, Deduct	-144.37	
26 56 13 00-0373 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,226.09	254.99
For Bronze Or Satin Anodized Finish, Add	71.61	
For Black Anodized Finish, Add	143.22	
For >10 To 20, Deduct	-41.39	
For >20 To 40, Deduct	-75.63	
For >40, Deduct	-158.41	



	Electrical	26
	Lighting	26 50
	Exterior Lighting	26 56

MINOR	CSU	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0374	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,290.06 73.37 146.74 -43.26 -79.18 -165.69	278.18
26 56	13 00-0375	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,480.68 83.16 166.32 -49.49 -90.67 -189.65	324.54
26 56	13 00-0376	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,677.90 93.61 187.22 -55.99 -102.62 -214.60	370.90
26 56	13 00-0377	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,333.89 82.39 164.78 -45.71 -83.17 -174.58	254.99
26 56	13 00-0378	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,420.96 86.46 172.92 -48.49 -88.34 -185.33	278.18
26 56	13 00-0379	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,584.08 93.50 187.00 -53.63 -97.90 -205.16	324.54
26 56	13 00-0380	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,757.10 101.53 203.06 -59.16 -108.16 -226.48	370.90
26 56	13 00-0381	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,892.56 110.44 220.88 -63.88 -116.72 -244.48	394.08
26 56	13 00-0382	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,030.23 119.57 239.14 -68.69 -125.43 -262.81	417.27
26 56	13 00-0383	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,686.38 103.73 207.46 -57.72 -105.07 -220.50	324.54
26 56	13 00-0384	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,825.30 108.35 216.70 -61.89 -112.94 -236.71	370.90
26 56	13 00-0385	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,966.26 117.81 235.62 -66.83 -121.88 -255.53	394.08
26 56	13 00-0386	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,144.63 131.01 262.02 -73.27 -133.43 -279.97	417.27
26 56	13 00-0387	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,217.31 135.96 271.92 -75.83 -138.06 -289.71	428.85

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0388	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,373.59	440.44
		<i>For Bronze Or Satin Anodized Finish, Add</i>	149.27	
		<i>For Black Anodized Finish, Add</i>	298.54	
		<i>For >10 To 20, Deduct</i>	-81.73	
		<i>For >20 To 40, Deduct</i>	-148.53	
		<i>For >40, Deduct</i>	-311.99	
26 56 13 00-0389	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	863.70	185.45
		<i>For Bronze Or Satin Anodized Finish, Add</i>	49.28	
		<i>For Black Anodized Finish, Add</i>	98.56	
		<i>For >10 To 20, Deduct</i>	-28.98	
		<i>For >20 To 40, Deduct</i>	-53.04	
		<i>For >40, Deduct</i>	-111.01	
26 56 13 00-0390	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	962.87	208.63
		<i>For Bronze Or Satin Anodized Finish, Add</i>	54.56	
		<i>For Black Anodized Finish, Add</i>	109.12	
		<i>For >10 To 20, Deduct</i>	-32.26	
		<i>For >20 To 40, Deduct</i>	-59.06	
		<i>For >40, Deduct</i>	-123.57	
26 56 13 00-0391	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,066.43	231.82
		<i>For Bronze Or Satin Anodized Finish, Add</i>	60.28	
		<i>For Black Anodized Finish, Add</i>	120.56	
		<i>For >10 To 20, Deduct</i>	-35.70	
		<i>For >20 To 40, Deduct</i>	-65.38	
		<i>For >40, Deduct</i>	-136.78	
26 56 13 00-0392	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,157.89	254.99
		<i>For Bronze Or Satin Anodized Finish, Add</i>	64.79	
		<i>For Black Anodized Finish, Add</i>	129.58	
		<i>For >10 To 20, Deduct</i>	-38.67	
		<i>For >20 To 40, Deduct</i>	-70.85	
		<i>For >40, Deduct</i>	-148.18	
26 56 13 00-0393	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,248.26	278.18
		<i>For Bronze Or Satin Anodized Finish, Add</i>	69.19	
		<i>For Black Anodized Finish, Add</i>	138.38	
		<i>For >10 To 20, Deduct</i>	-41.59	
		<i>For >20 To 40, Deduct</i>	-76.25	
		<i>For >40, Deduct</i>	-159.42	
26 56 13 00-0394	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,186.33	231.82
		<i>For Bronze Or Satin Anodized Finish, Add</i>	72.27	
		<i>For Black Anodized Finish, Add</i>	144.54	
		<i>For >10 To 20, Deduct</i>	-40.50	
		<i>For >20 To 40, Deduct</i>	-73.77	
		<i>For >40, Deduct</i>	-154.77	
26 56 13 00-0395	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,298.69	254.99
		<i>For Bronze Or Satin Anodized Finish, Add</i>	78.87	
		<i>For Black Anodized Finish, Add</i>	157.74	
		<i>For >10 To 20, Deduct</i>	-44.30	
		<i>For >20 To 40, Deduct</i>	-80.71	
		<i>For >40, Deduct</i>	-169.30	
26 56 13 00-0396	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,376.96	278.18
		<i>For Bronze Or Satin Anodized Finish, Add</i>	82.06	
		<i>For Black Anodized Finish, Add</i>	164.12	
		<i>For >10 To 20, Deduct</i>	-46.73	
		<i>For >20 To 40, Deduct</i>	-85.26	
		<i>For >40, Deduct</i>	-178.73	
26 56 13 00-0397	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,562.08	324.54
		<i>For Bronze Or Satin Anodized Finish, Add</i>	91.30	
		<i>For Black Anodized Finish, Add</i>	182.60	
		<i>For >10 To 20, Deduct</i>	-52.75	
		<i>For >20 To 40, Deduct</i>	-96.36	
		<i>For >40, Deduct</i>	-201.86	
26 56 13 00-0398	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,753.80	370.90
		<i>For Bronze Or Satin Anodized Finish, Add</i>	101.20	
		<i>For Black Anodized Finish, Add</i>	202.40	
		<i>For >10 To 20, Deduct</i>	-59.03	
		<i>For >20 To 40, Deduct</i>	-107.93	
		<i>For >40, Deduct</i>	-225.98	
26 56 13 00-0399	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,810.68	324.54
		<i>For Bronze Or Satin Anodized Finish, Add</i>	116.16	
		<i>For Black Anodized Finish, Add</i>	232.32	
		<i>For >10 To 20, Deduct</i>	-62.69	
		<i>For >20 To 40, Deduct</i>	-113.77	
		<i>For >40, Deduct</i>	-239.15	
26 56 13 00-0400	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,990.30	370.90
		<i>For Bronze Or Satin Anodized Finish, Add</i>	124.85	
		<i>For Black Anodized Finish, Add</i>	249.70	
		<i>For >10 To 20, Deduct</i>	-68.49	
		<i>For >20 To 40, Deduct</i>	-124.49	
		<i>For >40, Deduct</i>	-261.46	
26 56 13 00-0401	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,144.46	394.08
		<i>For Bronze Or Satin Anodized Finish, Add</i>	135.63	
		<i>For Black Anodized Finish, Add</i>	271.26	
		<i>For >10 To 20, Deduct</i>	-73.96	
		<i>For >20 To 40, Deduct</i>	-134.35	
		<i>For >40, Deduct</i>	-282.26	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0402	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,279.93 144.54 289.08 -78.68 -142.90 -300.26	417.27
26 56	13 00-0403	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,409.81 155.21 310.42 -83.53 -151.53 -318.59	428.85
26 56	13 00-0404	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,522.09 164.12 328.24 -87.67 -158.93 -334.27	440.44
26 56	13 00-0405	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,616.78 171.27 342.54 -91.11 -165.09 -347.31	452.04
26 56	13 00-0406	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,793.95 186.67 373.34 -97.85 -177.03 -372.73	463.63
26 56	13 00-0407	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,619.66 183.15 366.30 -92.96 -167.61 -353.54	394.08
26 56	13 00-0408	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,829.93 199.54 399.08 -100.68 -181.40 -382.76	417.27
26 56	13 00-0409	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,981.81 212.41 424.62 -106.41 -191.57 -404.39	428.85
26 56	13 00-0410	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,095.19 221.43 442.86 -110.59 -199.05 -420.23	440.44
26 56	13 00-0411	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,154.68 225.06 450.12 -112.63 -202.75 -428.00	452.04
26 56	13 00-0412	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	3,350.55 242.33 484.66 -120.11 -215.99 -456.22	463.63
26 56	13 00-0413	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,468.96 168.08 336.16 -86.94 -157.06 -330.94	394.08
26 56	13 00-0414	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,659.43 182.49 364.98 -93.86 -169.47 -357.19	417.27
26 56	13 00-0415	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,732.11 187.44 374.88 -96.42 -174.09 -366.93	428.85

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0416	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,931.29	440.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	205.04	
			<i>For Black Anodized Finish, Add</i>	410.08	
			<i>For >10 To 20, Deduct</i>	-104.04	
			<i>For >20 To 40, Deduct</i>	-187.57	
			<i>For >40, Deduct</i>	-395.65	
26 56	13 00-0417	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,024.88	452.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	212.08	
			<i>For Black Anodized Finish, Add</i>	424.16	
			<i>For >10 To 20, Deduct</i>	-107.43	
			<i>For >20 To 40, Deduct</i>	-193.66	
			<i>For >40, Deduct</i>	-408.53	
26 56	13 00-0418	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,221.85	463.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	229.46	
			<i>For Black Anodized Finish, Add</i>	458.92	
			<i>For >10 To 20, Deduct</i>	-114.97	
			<i>For >20 To 40, Deduct</i>	-206.98	
			<i>For >40, Deduct</i>	-436.92	
26 56	13 00-0419	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,157.56	394.08
			<i>For Bronze Or Satin Anodized Finish, Add</i>	236.94	
			<i>For Black Anodized Finish, Add</i>	473.88	
			<i>For >10 To 20, Deduct</i>	-114.48	
			<i>For >20 To 40, Deduct</i>	-205.27	
			<i>For >40, Deduct</i>	-434.23	
26 56	13 00-0420	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,338.13	417.27
			<i>For Bronze Or Satin Anodized Finish, Add</i>	250.36	
			<i>For Black Anodized Finish, Add</i>	500.72	
			<i>For >10 To 20, Deduct</i>	-121.01	
			<i>For >20 To 40, Deduct</i>	-216.98	
			<i>For >40, Deduct</i>	-458.99	
26 56	13 00-0421	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,492.21	428.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	263.45	
			<i>For Black Anodized Finish, Add</i>	526.90	
			<i>For >10 To 20, Deduct</i>	-126.82	
			<i>For >20 To 40, Deduct</i>	-227.30	
			<i>For >40, Deduct</i>	-480.95	
26 56	13 00-0422	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,735.39	440.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	285.45	
			<i>For Black Anodized Finish, Add</i>	570.90	
			<i>For >10 To 20, Deduct</i>	-136.20	
			<i>For >20 To 40, Deduct</i>	-243.86	
			<i>For >40, Deduct</i>	-516.26	
26 56	13 00-0423	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,782.78	452.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	287.87	
			<i>For Black Anodized Finish, Add</i>	575.74	
			<i>For >10 To 20, Deduct</i>	-137.75	
			<i>For >20 To 40, Deduct</i>	-246.71	
			<i>For >40, Deduct</i>	-522.21	
26 56	13 00-0424	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,024.85	463.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	309.76	
			<i>For Black Anodized Finish, Add</i>	619.52	
			<i>For >10 To 20, Deduct</i>	-147.09	
			<i>For >20 To 40, Deduct</i>	-263.19	
			<i>For >40, Deduct</i>	-557.37	
26 56	13 00-0425	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,997.78	695.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	360.69	
			<i>For Black Anodized Finish, Add</i>	721.38	
			<i>For >10 To 20, Deduct</i>	-179.05	
			<i>For >20 To 40, Deduct</i>	-322.03	
			<i>For >40, Deduct</i>	-680.12	
26 56	13 00-0426	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,134.18	695.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	374.33	
			<i>For Black Anodized Finish, Add</i>	748.66	
			<i>For >10 To 20, Deduct</i>	-184.50	
			<i>For >20 To 40, Deduct</i>	-331.58	
			<i>For >40, Deduct</i>	-700.58	
26 56	13 00-0427	Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0355)			
26 56	13 00-0428	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	825.98	139.09
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	82.17	
			<i>For >10 To 20, Deduct</i>	-28.87	
			<i>For >20 To 40, Deduct</i>	-52.26	
			<i>For >40, Deduct</i>	-109.99	
26 56	13 00-0429	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	895.44	162.27
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	85.64	
			<i>For >10 To 20, Deduct</i>	-30.95	
			<i>For >20 To 40, Deduct</i>	-56.19	
			<i>For >40, Deduct</i>	-118.09	
26 56	13 00-0430	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	966.00	185.45
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	89.27	
			<i>For >10 To 20, Deduct</i>	-33.08	
			<i>For >20 To 40, Deduct</i>	-60.20	
			<i>For >40, Deduct</i>	-126.36	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0431	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,038.77 93.23 -35.29 -64.37 -134.95	208.63
26 56	13 00-0432	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,110.43 97.02 -37.46 -68.46 -143.38	231.82
26 56	13 00-0433	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	908.64 87.62 -31.48 -57.11 -120.07	162.27
26 56	13 00-0434	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	981.40 91.58 -33.69 -61.28 -128.67	185.45
26 56	13 00-0435	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,056.37 95.87 -36.00 -65.60 -137.59	208.63
26 56	13 00-0436	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,130.23 99.99 -38.25 -69.84 -146.35	231.82
26 56	13 00-0437	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,218.39 106.26 -41.09 -75.09 -157.26	254.99
26 56	13 00-0438	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,296.66 111.05 -43.52 -79.64 -166.68	278.18
26 56	13 00-0439	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,024.30 98.01 -35.41 -64.28 -135.10	185.45
26 56	13 00-0440	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,104.77 103.13 -37.93 -68.99 -144.85	208.63
26 56	13 00-0441	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,198.43 110.22 -40.98 -74.62 -156.58	231.82
26 56	13 00-0442	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,281.09 115.67 -43.59 -79.48 -166.66	254.99
26 56	13 00-0443	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,378.06 123.26 -46.78 -85.34 -178.89	278.18
26 56	13 00-0444	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,261.13 119.63 -43.49 -79.01 -165.99	231.82
26 56	13 00-0445	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,365.79 128.37 -46.98 -85.41 -179.37	254.99
26 56	13 00-0446	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,446.26 133.49 -49.51 -90.11 -189.12	278.18
26 56	13 00-0447	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,058.40 103.13 -36.77 -66.67 -140.22	185.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0448 EA 14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,156.47	208.63
For Bronze, Satin Or Black Anodized Finish, Add	110.88	
For >10 To 20, Deduct	-40.00	
For >20 To 40, Deduct	-72.61	
For >40, Deduct	-152.61	
26 56 13 00-0449 EA 16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,261.13	231.82
For Bronze, Satin Or Black Anodized Finish, Add	119.63	
For >10 To 20, Deduct	-43.49	
For >20 To 40, Deduct	-79.01	
For >40, Deduct	-165.99	
26 56 13 00-0450 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,352.59	254.99
For Bronze, Satin Or Black Anodized Finish, Add	126.39	
For >10 To 20, Deduct	-46.45	
For >20 To 40, Deduct	-84.48	
For >40, Deduct	-177.39	
26 56 13 00-0451 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,451.76	278.18
For Bronze, Satin Or Black Anodized Finish, Add	134.31	
For >10 To 20, Deduct	-49.73	
For >20 To 40, Deduct	-90.50	
For >40, Deduct	-189.95	
26 56 13 00-0452 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,332.63	231.82
For Bronze, Satin Or Black Anodized Finish, Add	130.35	
For >10 To 20, Deduct	-46.35	
For >20 To 40, Deduct	-84.01	
For >40, Deduct	-176.71	
26 56 13 00-0453 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,446.09	254.99
For Bronze, Satin Or Black Anodized Finish, Add	140.42	
For >10 To 20, Deduct	-50.19	
For >20 To 40, Deduct	-91.03	
For >40, Deduct	-191.41	
26 56 13 00-0454 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,532.06	278.18
For Bronze, Satin Or Black Anodized Finish, Add	146.36	
For >10 To 20, Deduct	-52.94	
For >20 To 40, Deduct	-96.12	
For >40, Deduct	-201.99	
26 56 13 00-0455 Round Tapered, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0355)</small>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0456 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	557.42	115.90
For Bronze Or Satin Anodized Finish, Add	32.56	
For Black Anodized Finish, Add	65.12	
For >10 To 20, Deduct	-18.82	
For >20 To 40, Deduct	-34.38	
For >40, Deduct	-72.02	
26 56 13 00-0457 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	588.22	115.90
For Bronze Or Satin Anodized Finish, Add	35.64	
For Black Anodized Finish, Add	71.28	
For >10 To 20, Deduct	-20.05	
For >20 To 40, Deduct	-36.54	
For >40, Deduct	-76.64	
26 56 13 00-0458 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	636.69	127.50
For Bronze Or Satin Anodized Finish, Add	38.17	
For Black Anodized Finish, Add	76.34	
For >10 To 20, Deduct	-21.64	
For >20 To 40, Deduct	-39.47	
For >40, Deduct	-82.75	
26 56 13 00-0459 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	677.48	139.09
For Bronze Or Satin Anodized Finish, Add	39.93	
For Black Anodized Finish, Add	79.86	
For >10 To 20, Deduct	-22.93	
For >20 To 40, Deduct	-41.86	
For >40, Deduct	-87.71	
26 56 13 00-0460 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	717.08	139.09
For Bronze Or Satin Anodized Finish, Add	43.89	
For Black Anodized Finish, Add	87.78	
For >10 To 20, Deduct	-24.51	
For >20 To 40, Deduct	-44.63	
For >40, Deduct	-93.65	
26 56 13 00-0461 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	666.39	127.50
For Bronze Or Satin Anodized Finish, Add	41.14	
For Black Anodized Finish, Add	82.28	
For >10 To 20, Deduct	-22.83	
For >20 To 40, Deduct	-41.55	
For >40, Deduct	-87.21	
26 56 13 00-0462 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	720.38	139.09
For Bronze Or Satin Anodized Finish, Add	44.22	
For Black Anodized Finish, Add	88.44	
For >10 To 20, Deduct	-24.64	
For >20 To 40, Deduct	-44.86	
For >40, Deduct	-94.15	



			Electrical	26
			Lighting	26 50
			Exterior Lighting	26 56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0463	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	742.38 46.42 92.84 -25.52 -46.40 -97.45	139.09
26 56 13 00-0464	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	800.76 49.94 99.88 -27.51 -50.03 -105.05	150.68
26 56 13 00-0465	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	854.74 53.02 106.04 -29.32 -53.34 -111.98	162.27
26 56 13 00-0466	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	806.18 52.80 105.60 -28.07 -50.87 -107.02	139.09
26 56 13 00-0467	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	871.16 56.98 113.96 -30.33 -54.95 -115.61	150.68
26 56 13 00-0468	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	930.64 60.61 121.22 -32.36 -58.65 -123.37	162.27
26 56 13 00-0469	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	961.36 66.00 132.00 -33.93 -61.27 -129.14	150.68
26 56 13 00-0470	EA		25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,236.60 86.57 173.14 -43.90 -79.14 -166.95	185.45
26 56 13 00-0471	EA		25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,360.90 99.00 198.00 -48.87 -87.85 -185.59	185.45
26 56 13 00-0472	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,513.97 109.67 219.34 -54.30 -97.63 -206.23	208.63
26 56 13 00-0473	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,649.27 123.20 246.40 -59.71 -107.10 -226.53	208.63
26 56 13 00-0474 Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0295)</small>					
26 56 13 00-0475 Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0474)</small>					
26 56 13 00-0476	EA		8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	732.48 45.43 90.86 -25.13 -45.71 -95.96	139.09
26 56 13 00-0477	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	801.94 47.74 95.48 -27.21 -49.65 -104.06	162.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0478	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	880.20	185.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.93	
			<i>For Black Anodized Finish, Add</i>	101.86	
			<i>For >10 To 20, Deduct</i>	-29.64	
			<i>For >20 To 40, Deduct</i>	-54.20	
			<i>For >40, Deduct</i>	-113.49	
26 56	13 00-0479	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	957.37	208.63
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.01	
			<i>For Black Anodized Finish, Add</i>	108.02	
			<i>For >10 To 20, Deduct</i>	-32.04	
			<i>For >20 To 40, Deduct</i>	-58.67	
			<i>For >40, Deduct</i>	-122.74	
26 56	13 00-0480	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,000.34	220.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	55.99	
			<i>For Black Anodized Finish, Add</i>	111.98	
			<i>For >10 To 20, Deduct</i>	-33.41	
			<i>For >20 To 40, Deduct</i>	-61.22	
			<i>For >40, Deduct</i>	-128.03	
26 56	13 00-0481	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,043.33	231.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.97	
			<i>For Black Anodized Finish, Add</i>	115.94	
			<i>For >10 To 20, Deduct</i>	-34.78	
			<i>For >20 To 40, Deduct</i>	-63.76	
			<i>For >40, Deduct</i>	-133.32	
26 56	13 00-0482	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,127.09	254.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.71	
			<i>For Black Anodized Finish, Add</i>	123.42	
			<i>For >10 To 20, Deduct</i>	-37.43	
			<i>For >20 To 40, Deduct</i>	-68.70	
			<i>For >40, Deduct</i>	-143.56	
26 56	13 00-0483	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,220.76	278.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	66.44	
			<i>For Black Anodized Finish, Add</i>	132.88	
			<i>For >10 To 20, Deduct</i>	-40.49	
			<i>For >20 To 40, Deduct</i>	-74.33	
			<i>For >40, Deduct</i>	-155.30	
26 56	13 00-0484	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,119.23	231.82
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.56	
			<i>For Black Anodized Finish, Add</i>	131.12	
			<i>For >10 To 20, Deduct</i>	-37.81	
			<i>For >20 To 40, Deduct</i>	-69.07	
			<i>For >40, Deduct</i>	-144.70	
26 56	13 00-0485	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,205.19	254.99
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.52	
			<i>For Black Anodized Finish, Add</i>	139.04	
			<i>For >10 To 20, Deduct</i>	-40.56	
			<i>For >20 To 40, Deduct</i>	-74.16	
			<i>For >40, Deduct</i>	-155.28	
26 56	13 00-0486	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,305.46	278.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	74.91	
			<i>For Black Anodized Finish, Add</i>	149.82	
			<i>For >10 To 20, Deduct</i>	-43.87	
			<i>For >20 To 40, Deduct</i>	-80.26	
			<i>For >40, Deduct</i>	-168.00	
26 56	13 00-0487	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,330.34	220.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.99	
			<i>For Black Anodized Finish, Add</i>	177.98	
			<i>For >10 To 20, Deduct</i>	-46.61	
			<i>For >20 To 40, Deduct</i>	-84.32	
			<i>For >40, Deduct</i>	-177.53	
26 56	13 00-0488	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,621.16	278.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	106.48	
			<i>For Black Anodized Finish, Add</i>	212.96	
			<i>For >10 To 20, Deduct</i>	-56.50	
			<i>For >20 To 40, Deduct</i>	-102.35	
			<i>For >40, Deduct</i>	-215.36	
26 56	13 00-0489	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,944.10	370.90
			<i>For Bronze Or Satin Anodized Finish, Add</i>	120.23	
			<i>For Black Anodized Finish, Add</i>	240.46	
			<i>For >10 To 20, Deduct</i>	-66.64	
			<i>For >20 To 40, Deduct</i>	-121.25	
			<i>For >40, Deduct</i>	-254.53	
26 56	13 00-0490	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,373.66	278.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	81.73	
			<i>For Black Anodized Finish, Add</i>	163.46	
			<i>For >10 To 20, Deduct</i>	-46.60	
			<i>For >20 To 40, Deduct</i>	-85.03	
			<i>For >40, Deduct</i>	-178.23	
26 56	13 00-0491	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,754.26	278.18
			<i>For Bronze Or Satin Anodized Finish, Add</i>	119.79	
			<i>For Black Anodized Finish, Add</i>	239.58	
			<i>For >10 To 20, Deduct</i>	-61.83	
			<i>For >20 To 40, Deduct</i>	-111.67	
			<i>For >40, Deduct</i>	-235.32	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492 EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,065.10 132.33 264.66 -71.48 -129.72 -272.68	370.90
26 56 13 00-0493 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,963.26 140.69 281.38 -70.19 -126.30 -266.67	278.18
26 56 13 00-0494 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,337.90 159.61 319.22 -82.39 -148.82 -313.60	370.90
26 56 13 00-0495 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,714.43 187.99 375.98 -96.06 -173.32 -365.44	417.27
26 56 13 00-0496 Square Straight, Aluminum Area Light Poles, Direct Burial <small>(26 56 13 00-0474)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0497 EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	665.22 43.34 86.68 -23.13 -41.93 -88.19	115.90
26 56 13 00-0498 EA 12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	744.49 48.95 97.90 -25.95 -47.01 -98.92	127.50
26 56 13 00-0499 EA 14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	790.78 51.26 102.52 -27.46 -49.79 -104.71	139.09
26 56 13 00-0500 EA 15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	818.28 54.01 108.02 -28.56 -51.72 -108.83	139.09
26 56 13 00-0501 EA 16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	852.38 57.42 114.84 -29.92 -54.10 -113.95	139.09
26 56 13 00-0502 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	992.16 69.08 138.16 -35.17 -63.42 -133.76	150.68
26 56 13 00-0503 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,062.64 73.81 147.62 -37.64 -67.89 -143.17	162.27
26 56 13 00-0504 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,235.34 91.08 182.16 -44.55 -79.98 -169.07	162.27
26 56 13 00-0505 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,420.30 104.94 209.88 -51.25 -92.00 -194.50	185.45

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0506 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,806.40	185.45
For Bronze Or Satin Anodized Finish, Add	143.55	
For Black Anodized Finish, Add	287.10	
For >10 To 20, Deduct	-66.69	
For >20 To 40, Deduct	-119.03	
For >40, Deduct	-252.42	
26 56 13 00-0507 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0295)		
26 56 13 00-0508 EA 1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	39.00	
26 56 13 00-0509 EA Extra Handhole For Aluminum Area Light Poles.....	41.00	
26 56 13 00-0510 EA Festoon Outlet Provision For Aluminum Area Light Poles	42.00	
Note: Excludes electrical outlet.		
26 56 13 00-0511 EA Vibration Dampener For Aluminum Area Light Poles.....	59.00	
26 56 13 00-0512 Fiberglass Area Light Poles (26 56 13 00-0177)		
Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0513 Round Tapered, Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0514 Round Tapered, Fiberglass Area Light Poles, Anchor Base (26 56 13 00-0513)		
26 56 13 00-0515 EA 10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	971.34	162.27
For >10 To 20, Deduct	-33.99	
For >20 To 40, Deduct	-61.50	
For >40, Deduct	-129.47	
26 56 13 00-0516 EA 12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,056.20	185.45
For >10 To 20, Deduct	-36.68	
For >20 To 40, Deduct	-66.52	
For >40, Deduct	-139.89	
26 56 13 00-0517 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,142.17	208.63
For >10 To 20, Deduct	-39.43	
For >20 To 40, Deduct	-71.61	
For >40, Deduct	-150.46	
26 56 13 00-0518 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,227.03	231.82
For >10 To 20, Deduct	-42.13	
For >20 To 40, Deduct	-76.62	
For >40, Deduct	-160.87	
26 56 13 00-0519 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,331.69	254.99
For >10 To 20, Deduct	-45.62	
For >20 To 40, Deduct	-83.02	
For >40, Deduct	-174.25	
26 56 13 00-0520 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,418.76	278.18
For >10 To 20, Deduct	-48.41	
For >20 To 40, Deduct	-88.19	
For >40, Deduct	-185.00	
26 56 13 00-0521 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,551.08	324.54
For >10 To 20, Deduct	-52.31	
For >20 To 40, Deduct	-95.59	
For >40, Deduct	-200.21	
26 56 13 00-0522 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,682.30	370.90
For >10 To 20, Deduct	-56.17	
For >20 To 40, Deduct	-102.93	
For >40, Deduct	-215.26	
26 56 13 00-0523 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,771.40	370.90
For >10 To 20, Deduct	-59.73	
For >20 To 40, Deduct	-109.16	
For >40, Deduct	-228.62	
26 56 13 00-0524 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,895.86	394.08
For >10 To 20, Deduct	-64.01	
For >20 To 40, Deduct	-116.95	
For >40, Deduct	-244.97	
26 56 13 00-0525 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,020.33	417.27
For >10 To 20, Deduct	-68.30	
For >20 To 40, Deduct	-124.73	
For >40, Deduct	-261.32	
26 56 13 00-0526 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,072.54	162.27
For >10 To 20, Deduct	-38.03	
For >20 To 40, Deduct	-68.59	
For >40, Deduct	-144.65	
26 56 13 00-0527 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,137.60	185.45
For >10 To 20, Deduct	-39.94	
For >20 To 40, Deduct	-72.21	
For >40, Deduct	-152.10	
26 56 13 00-0528 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,203.77	208.63
For >10 To 20, Deduct	-41.89	
For >20 To 40, Deduct	-75.92	
For >40, Deduct	-159.70	
26 56 13 00-0529 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,272.13	231.82
For >10 To 20, Deduct	-43.93	
For >20 To 40, Deduct	-79.78	
For >40, Deduct	-167.64	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0530 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,345.99 -46.19 -84.02 -176.40	254.99
26 56 13 00-0531 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,418.76 -48.41 -88.19 -185.00	278.18
26 56 13 00-0532 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,537.88 -51.78 -94.67 -198.23	324.54
26 56 13 00-0533 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,682.30 -56.17 -102.93 -215.26	370.90
26 56 13 00-0534 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,719.70 -57.66 -105.54 -220.87	370.90
26 56 13 00-0535 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,804.56 -60.36 -110.56 -231.28	394.08
26 56 13 00-0536 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,889.43 -63.06 -115.57 -241.69	417.27
26 56 13 00-0537 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,221.04 -43.97 -78.98 -166.93	162.27
26 56 13 00-0538 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,301.50 -46.50 -83.69 -176.68	185.45
26 56 13 00-0539 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,381.97 -49.02 -88.39 -186.43	208.63
26 56 13 00-0540 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,463.53 -51.59 -93.17 -196.35	231.82
26 56 13 00-0541 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,549.49 -54.33 -98.26 -206.92	254.99
26 56 13 00-0542 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,642.06 -57.34 -103.82 -218.49	278.18
26 56 13 00-0543 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,790.88 -61.90 -112.38 -236.18	324.54
26 56 13 00-0544 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,940.80 -66.51 -121.02 -254.03	370.90
26 56 13 00-0545 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	1,998.00 -68.79 -125.02 -262.61	370.90
26 56 13 00-0546 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,134.56 -73.56 -133.66 -280.78	394.08
26 56 13 00-0547 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,245.83 -77.32 -140.52 -295.15	417.27
26 56 13 00-0548 EA 32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,333.91 -80.49 -146.22 -307.20	428.85
26 56 13 00-0549 EA 34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For >10 To 20, Deduct</i> <i>For >20 To 40, Deduct</i> <i>For >40, Deduct</i>	2,421.99 -83.67 -151.92 -319.25	440.44

26 56 13 00-0550 Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0513)

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains line items for various light pole specifications (e.g., 10' High, 3.5" Top OD) with associated costs and deducts.



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0572 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,407.27	208.63
For >10 To 20, Deduct	-50.03	
For >20 To 40, Deduct	-90.16	
For >40, Deduct	-190.23	
26 56 13 00-0573 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	791.72	115.90
For >10 To 20, Deduct	-28.19	
For >20 To 40, Deduct	-50.78	
For >40, Deduct	-107.17	
26 56 13 00-0574 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	834.69	127.50
For >10 To 20, Deduct	-29.56	
For >20 To 40, Deduct	-53.33	
For >40, Deduct	-112.45	
26 56 13 00-0575 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	876.58	139.09
For >10 To 20, Deduct	-30.89	
For >20 To 40, Deduct	-55.80	
For >40, Deduct	-117.58	
26 56 13 00-0576 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	895.28	139.09
For >10 To 20, Deduct	-31.64	
For >20 To 40, Deduct	-57.11	
For >40, Deduct	-120.38	
26 56 13 00-0577 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	937.16	150.68
For >10 To 20, Deduct	-32.97	
For >20 To 40, Deduct	-59.57	
For >40, Deduct	-125.51	
26 56 13 00-0578 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	980.14	162.27
For >10 To 20, Deduct	-34.34	
For >20 To 40, Deduct	-62.12	
For >40, Deduct	-130.79	
26 56 13 00-0579 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,060.52	173.86
For >10 To 20, Deduct	-37.21	
For >20 To 40, Deduct	-67.28	
For >40, Deduct	-141.69	
26 56 13 00-0580 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,154.10	185.45
For >10 To 20, Deduct	-40.60	
For >20 To 40, Deduct	-73.37	
For >40, Deduct	-154.57	
26 56 13 00-0581 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,217.90	185.45
For >10 To 20, Deduct	-43.15	
For >20 To 40, Deduct	-77.84	
For >40, Deduct	-164.14	
26 56 13 00-0582 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,305.98	197.05
For >10 To 20, Deduct	-46.33	
For >20 To 40, Deduct	-83.54	
For >40, Deduct	-176.19	
26 56 13 00-0583 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,394.07	208.63
For >10 To 20, Deduct	-49.50	
For >20 To 40, Deduct	-89.24	
For >40, Deduct	-188.25	
26 56 13 00-0584 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0512)		
26 56 13 00-0585 EA Open Or Capped Top For Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0586 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	39.00	
26 56 13 00-0587 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	74.00	
26 56 13 00-0588 EA Festoon Outlet Provision For Fiberglass Area Light Poles.....	78.00	
Note: Excludes electrical outlet.		
26 56 13 00-0589 EA Vibration Dampener For Fiberglass Area Light Poles.....	98.00	
26 56 13 00-0590 Concrete Area Light Poles (26 56 13 00-0177)		
26 56 13 00-0591 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0590)		
26 56 13 00-0592 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,580.37	394.08
26 56 13 00-0593 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,666.35	417.27
26 56 13 00-0594 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	1,728.23	428.85
26 56 13 00-0595 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,141.80	440.44
26 56 13 00-0596 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,377.29	463.63
26 56 13 00-0597 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,944.63	602.72
26 56 13 00-0598 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,529.17	741.80
26 56 13 00-0599 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,396.40	394.08
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0600 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,917.01	417.27
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0601 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	408.45	139.09
26 56 13 00-0602 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	2,035.02	278.08
26 56 13 00-0603 EA Pole Base Cover For All Octagon Poles.....	158.96	56.74
26 56 13 00-0604 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	324.96	113.50
26 56 13 00-0605 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
Note: Round or square.		
26 56 13 00-0606 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,679.54	185.45
26 56 13 00-0607 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	1,899.55	231.82
26 56 13 00-0608 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,099.22	278.18

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0609 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,927.25	417.27
26 56 13 00-0610 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,372.46	440.44
26 56 13 00-0611 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,853.71	463.63
26 56 13 00-0612 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,472.34	602.72
26 56 13 00-0613 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0590)		
26 56 13 00-0614 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	9,763.91	1,043.16
26 56 13 00-0615 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	11,609.57	1,273.05
26 56 13 00-0616 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	13,808.25	1,719.74
26 56 13 00-0617 Treated Wood Area Light Poles (26 56 13 00-0177) See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0618 Cast Iron Decorative Light Posts (26 56 13 00-0177)		
26 56 13 00-0619 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0618) Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0620 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	768.84	115.90
26 56 13 00-0621 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	818.33	133.53
26 56 13 00-0622 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	883.60	139.09
26 56 13 00-0623 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,079.88	162.27
26 56 13 00-0624 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,252.37	176.18
26 56 13 00-0625 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,432.74	190.09
26 56 13 00-0626 Landscape Light Poles (26 56 13 00-0001)		
26 56 13 00-0627 Aluminum Landscape Light Poles (26 56 13 00-0626) Note: Includes painted finish.		
26 56 13 00-0628 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0627)		
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0628)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	376.07	139.09
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	680.70	185.45
26 56 13 00-0632 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0628)		
26 56 13 00-0633 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	330.00	139.09
26 56 13 00-0634 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial.....	634.64	185.45
26 56 13 00-0635 Steel Landscape Light Poles (26 56 13 00-0626) Note: Includes painted finish.		
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles (26 56 13 00-0635)		
26 56 13 00-0637 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0636)		
26 56 13 00-0638 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	344.76	139.09
26 56 13 00-0639 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0636)		
26 56 13 00-0640 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	329.85	139.09
26 56 13 00-0641 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0642 Light Pole Brackets (26 56 13 00-0641)		
26 56 13 00-0643 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0644 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0645 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes powdercoat finish.		
26 56 13 00-0646 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	322.65	27.81
For Galvanized Finish, Add	26.70	
26 56 13 00-0647 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	403.21	27.81
For Galvanized Finish, Add	34.76	
26 56 13 00-0648 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	427.81	27.81
For Galvanized Finish, Add	37.22	
26 56 13 00-0649 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	579.60	27.81
For Galvanized Finish, Add	52.40	
26 56 13 00-0650 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	603.24	27.81
For Galvanized Finish, Add	54.76	
26 56 13 00-0651 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0644) Note: Includes satin brushed or painted finish.		
26 56 13 00-0652 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	234.94	27.81
For Bronze Or Satin Anodized Finish, Add	17.93	
For Black Anodized Finish, Add	35.86	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0653 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	292.14	27.81
For Bronze Or Satin Anodized Finish, Add	23.65	
For Black Anodized Finish, Add	47.30	
26 56 13 00-0654 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	307.54	27.81
For Bronze Or Satin Anodized Finish, Add	25.19	
For Black Anodized Finish, Add	50.38	
26 56 13 00-0655 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	361.44	27.81
For Bronze Or Satin Anodized Finish, Add	30.58	
For Black Anodized Finish, Add	61.16	
26 56 13 00-0656 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket.....	372.44	27.81
For Bronze Or Satin Anodized Finish, Add	31.68	
For Black Anodized Finish, Add	63.36	
26 56 13 00-0657 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0643)		
26 56 13 00-0658 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0657)		
Note: Includes powdercoat finish.		
26 56 13 00-0659 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	345.66	27.81
For Galvanized Finish, Add	29.00	
26 56 13 00-0660 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	422.82	27.81
For Galvanized Finish, Add	36.72	
26 56 13 00-0661 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	513.45	27.81
For Galvanized Finish, Add	45.78	
26 56 13 00-0662 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	604.51	27.81
For Galvanized Finish, Add	54.89	
26 56 13 00-0663 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0642)		
26 56 13 00-0664 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0663)		
Note: Includes powdercoat finish.		
26 56 13 00-0665 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	339.71	46.36
26 56 13 00-0666 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	497.65	46.36
26 56 13 00-0667 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	684.53	46.36
26 56 13 00-0668 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	746.01	46.36
26 56 13 00-0669 Light Pole Arms (26 56 13 00-0641)		
26 56 13 00-0670 Wood Pole Streetlight Arms (26 56 13 00-0669)		
26 56 13 00-0671 Steel, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0672 EA 1-1/4" Arm Diameter, 2-1/2" Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	206.62	41.73
26 56 13 00-0673 EA 1-1/4" Arm Diameter, 3-1/2" Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	220.04	46.36
26 56 13 00-0674 EA 1-1/4" Arm Diameter, 5-1/2" Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	257.73	57.96
26 56 13 00-0675 EA 2" Arm Diameter, 3-1/2" Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	295.72	46.36
26 56 13 00-0676 EA 2" Arm Diameter, 5-1/2" Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	333.20	57.96
26 56 13 00-0677 EA 2" Arm Diameter, 7-1/2" Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	403.98	69.54
26 56 13 00-0678 Aluminum, Wood Pole Streetlight Arms (26 56 13 00-0670)		
26 56 13 00-0679 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	215.90	46.36
26 56 13 00-0680 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	279.08	46.36
26 56 13 00-0681 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	377.30	57.96
26 56 13 00-0682 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	501.72	69.54
26 56 13 00-0683 Area Light Arms (26 56 13 00-0669)		
26 56 13 00-0684 Steel Area Light Arms (26 56 13 00-0683)		
26 56 13 00-0685 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	374.33	46.36
26 56 13 00-0686 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	573.90	51.00
26 56 13 00-0687 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	637.08	55.64
26 56 13 00-0688 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	753.04	60.27
26 56 13 00-0689 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	448.10	57.96
26 56 13 00-0690 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	627.88	62.59
26 56 13 00-0691 Aluminum Area Light Arms (26 56 13 00-0683)		
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	272.03	46.36
26 56 13 00-0693 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	334.80	57.96
26 56 13 00-0694 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	399.79	69.54
26 56 13 00-0695 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	269.83	46.36
26 56 13 00-0696 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	397.90	51.00
26 56 13 00-0697 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	330.40	57.96
26 56 13 00-0698 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	484.88	62.59
26 56 13 00-0699 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	401.99	69.54
26 56 13 00-0700 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	590.56	74.18
26 56 13 00-0701 Removal And Reinstallation Of Lighting Pole (26 56 13 00-0001)		
26 56 13 00-0702 EA Remove And Relocate Lighting Pole And Standards With One Or Two Arms, Up To 45'	1,529.97	

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 13 00-0703	High Mast Lighting <small>(26 56 13 00-0001)</small>		
26 56 13 00-0704	High Mast Lighting Assemblies <small>(26 56 13 00-0703)</small>		
	Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 19 00-0021 for high mast fixtures.		
26 56 13 00-0705	EA 60'-100' High Mast Lighting Assembly	23,428.74	2,389.77
26 56 13 00-0706	EA 110' High Mast Lighting Assembly	25,161.68	2,624.29
26 56 13 00-0707	EA 120' High Mast Lighting Assembly	26,477.82	2,869.96
26 56 13 00-0708	EA 130' High Mast Lighting Assembly	27,692.22	3,104.48
26 56 13 00-0709	EA 140' High Mast Lighting Assembly	29,008.36	3,350.15
26 56 13 00-0710	EA 150' High Mast Lighting Assembly	30,547.95	3,590.29
26 56 13 00-0711	High Mast Light Poles <small>(26 56 13 00-0703)</small>		
26 56 13 00-0712	EA 60'-100' High Mast Light Poles.....	14,134.09	1,911.82
26 56 13 00-0713	EA 110' High Mast Light Poles.....	15,476.30	2,099.43
26 56 13 00-0714	EA 120' High Mast Light Poles.....	16,513.36	2,295.97
26 56 13 00-0715	EA 130' High Mast Light Poles.....	17,448.69	2,483.58
26 56 13 00-0716	EA 140' High Mast Light Poles.....	18,485.78	2,680.12
26 56 13 00-0717	EA 150' High Mast Light Poles.....	19,624.56	2,872.20
26 56 13 00-0718	High Mast Lighting Accessories <small>(26 56 13 00-0703)</small>		
	See CSI section 26 56 19 00-0021 for light fixtures, 26 56 26 00-0119 for lighting fixtures.		
26 56 13 00-0719	EA Bottom Latching System.....	334.75	
26 56 13 00-0720	EA Top Latching System.....	887.73	
26 56 13 00-0721	EA Centering Springs.....	671.42	
26 56 13 00-0722	EA Electric Power Cord.....	297.69	
26 56 13 00-0723	EA Aircraft Warning Lights.....	700.07	
26 56 13 00-0724	EA Internal Motorized Hoist.....	5,194.73	
26 56 13 00-0725	EA Portable Hoist Motor With Step Down Transformer.....	5,267.54	
26 56 13 00-0726	Concrete Bases <small>(26 56 13 00-0001)</small>		
26 56 13 00-0727	Concrete Bases, Cast In Place <small>(26 56 13 00-0726)</small>		
	Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0728	VLF 2' Diameter Concrete Base For Poles.....	68.91	
26 56 13 00-0729	VLF 2-1/2' Diameter Concrete Base For Poles.....	86.76	
26 56 13 00-0730	VLF 3' Diameter Concrete Base For Poles.....	104.97	
26 56 13 00-0731	VLF 3-1/2' Diameter Concrete Base For Poles.....	129.48	
26 56 13 00-0732	VLF 4' Diameter Concrete Base For Poles.....	154.52	
26 56 13 00-0733	VLF 5' Diameter Concrete Base For Poles.....	211.73	
26 56 13 00-0734	VLF 6' Diameter Concrete Base For Poles.....	279.99	
26 56 19	Roadway Lighting <small>(26 56)</small>		
26 56 19 00-0001	Metal Halide, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0002	EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	586.93	187.07
26 56 19 00-0003	EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	666.14	203.05
26 56 19 00-0004	EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	784.83	218.43
26 56 19 00-0005	EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture.....	978.57	256.00
26 56 19 00-0006	High Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0007	EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	481.67	218.43
26 56 19 00-0008	EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	495.78	218.43
26 56 19 00-0009	EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	517.97	218.43
26 56 19 00-0010	EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	571.62	218.43
26 56 19 00-0011	EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	663.76	218.43
26 56 19 00-0012	EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture.....	918.81	218.43
26 56 19 00-0013	Low Pressure Sodium, Pole Mounted <small>(26 56 19)</small>		
26 56 19 00-0014	EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed.....	566.63	118.83
26 56 19 00-0015	EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed.....	567.93	174.75
26 56 19 00-0016	EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed.....	679.59	174.75
26 56 19 00-0017	Street Light Accessories <small>(26 56 19)</small>		
26 56 19 00-0018	Photo Controls <small>(26 56 19 00-0017)</small>		
26 56 19 00-0019	EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	63.55	
26 56 19 00-0020	EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	71.86	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0021 High Mast Fixtures <small>(26 56 19)</small>		
26 56 19 00-0022 Metal Halide <small>(26 56 19 00-0021)</small>		
26 56 19 00-0023 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,020.94	114.72
26 56 19 00-0024 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,088.58	114.72
26 56 19 00-0025 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,090.31	131.06
26 56 19 00-0026 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,130.90	131.06
26 56 19 00-0027 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,154.29	163.83
26 56 19 00-0028 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,194.87	163.83
26 56 19 00-0029 High Pressure Sodium <small>(26 56 19 00-0021)</small>		
26 56 19 00-0030 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	1,060.20	114.72
26 56 19 00-0031 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	1,100.79	114.72
26 56 19 00-0032 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,278.20	121.28
26 56 19 00-0033 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,311.60	131.06
26 56 19 00-0034 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	1,395.87	163.83
26 56 19 00-0035 LED Roadway Lighting <small>(26 56 19)</small>		
26 56 19 00-0036 LED Roadway Lighting (Philips Lumec) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0037 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) <small>(26 56 19 00-0036)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0038 EA 49 LEDs, 102 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	861.75	111.25
26 56 19 00-0039 EA 98 LEDs, 204 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	1,319.22	114.25
26 56 19 00-0040 LED Roadway Lighting (Lithonia) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0041 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) <small>(26 56 19 00-0040)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0042 EA 30 LEDs, 74 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	1,227.37	105.23
26 56 19 00-0043 EA 60 LEDs, 146 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,000.50	108.24
26 56 19 00-0044 LED Roadway Lighting (CREE® BetaLED®) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0045 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) <small>(26 56 19 00-0044)</small>		
Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0046 EA 20 LEDs, 25 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	550.48	102.23
26 56 19 00-0047 EA 30 LEDs, 35 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	616.15	105.23
26 56 19 00-0048 EA 40 LEDs, 45 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	693.76	108.24
26 56 19 00-0049 EA 50 LEDs, 55 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	759.42	111.25
26 56 19 00-0050 EA 60 LEDs, 65 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	825.09	114.25
26 56 19 00-0051 EA 70 LEDs, 75 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	980.26	117.25
26 56 19 00-0052 EA 80 LEDs, 86 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,045.94	120.27
26 56 19 00-0053 EA 90 LEDs, 96 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,111.59	123.27
26 56 19 00-0054 EA 100 LEDs, 111 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,236.94	126.28
26 56 19 00-0055 EA 110 LEDs, 122 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,302.61	129.29
26 56 19 00-0056 EA 120 LEDs, 133 System Watts, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,368.29	132.29
26 56 19 00-0057 Horizontal Tenon Mount, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLM™) <small>(26 56 19 00-0044)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0058 EA 20 LEDs, 38 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	627.81	102.23
26 56 19 00-0059 EA 30 LEDs, 55 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™)	711.45	105.23

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0060 EA 40 LEDs, 70 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	812.71	108.24
26 56 19 00-0061 EA 50 LEDs, 88 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	897.51	111.25
26 56 19 00-0062 EA 60 LEDs, 106 System Watts, Horizontal Tenon Mount, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLM™).....	981.14	114.25
26 56 19 00-0063 Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixtures (CREE® BetaLED® LEDway® STR-SLMIP66™) (26 56 19 00-0044) Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 525mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0064 EA 20 LEDs, 38 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	667.79	102.23
26 56 19 00-0065 EA 30 LEDs, 55 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	751.43	105.23
26 56 19 00-0066 EA 40 LEDs, 70 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	851.52	108.24
26 56 19 00-0067 EA 50 LEDs, 88 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	936.32	111.25
26 56 19 00-0068 EA 60 LEDs, 106 System Watts, Vertical/Horizontal Tenon Mount, IP66 Rated, Low Profile, LED Roadway Fixture (CREE® BetaLED® LEDway® STR-SLMIP66™).....	1,021.12	114.25
26 56 19 00-0069 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) (26 56 19 00-0044) Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0070 EA 4,806 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	288.37	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Backlight Control Shield, Add	13.19	
For Field Adjustable Output, Add	18.58	
For Bird Spikes, Add	24.88	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0071 EA 5,340 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	288.37	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Backlight Control Shield, Add	13.19	
For Field Adjustable Output, Add	18.58	
For Bird Spikes, Add	24.88	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0072 EA 8,407 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	335.18	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Backlight Control Shield, Add	13.19	
For Field Adjustable Output, Add	18.58	
For Bird Spikes, Add	24.88	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 480 Volt, Add	55.73	
26 56 19 00-0073 EA 8,820 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	335.18	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Backlight Control Shield, Add	13.19	
For Field Adjustable Output, Add	18.58	
For Bird Spikes, Add	24.88	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 480 Volt, Add	55.73	
26 56 19 00-0074 EA 9,612 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	418.39	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	22.28	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	45.70	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0075 EA 10,680 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	418.39	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	22.28	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	45.70	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0076 EA 11,700 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSP-B-HT-XXX-D)	548.44	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	22.28	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	45.70	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0077 EA 12,187 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2L™ BXSP-B-HT-XXX-D)	548.44	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	22.28	
For Field Adjustable Output And Utility Label, Add	24.77	
For Fuse, Add	37.15	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	45.70	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 19 00-0078 EA 13,732 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	496.42	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	22.28	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	45.70	
For 480 Volt, Add	55.73	
26 56 19 00-0079 EA 14,408 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	496.42	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Backlight Control Shield, Add	22.28	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For Bird Spikes, Add	45.70	
For 480 Volt, Add	55.73	
26 56 19 00-0080 EA 2,529 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	205.15	7.40
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0081 EA 2,722 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	205.15	7.40
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0082 EA 3,819 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	224.66	7.40
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0083 EA 4,109 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C).....	224.66	7.40
For Utility Label, Add	6.19	
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	18.58	
For 0 To 10 Volt Dimming, Add	37.15	
26 56 19 00-0084 EA 4,548 Lumens, 4,000K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	231.16	7.40
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Field Adjustable Output, Add	18.58	
For Field Adjustable Output And Utility Label, Add	24.77	
For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0085	EA	4,627 Lumens, 5,700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	231.16	7.40
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
		<i>For Field Adjustable Output, Add</i>	18.58	
		<i>For Field Adjustable Output And Utility Label, Add</i>	24.77	
		<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	37.15	
		<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 19 00-0086		Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) <small>(26 56 19 00-0044)</small>		
		Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0087	EA	40 LEDs, 47 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,330.15	108.24
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0088	EA	60 LEDs, 68 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,538.56	114.25
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0089	EA	80 LEDs, 90 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,745.82	120.27
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0090	EA	100 LEDs, 111 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,954.23	126.28
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0091	EA	120 LEDs, 132 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,577.78	132.29
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0092	EA	140 LEDs, 157 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,786.19	138.31
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0093	EA	160 LEDs, 179 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,993.44	144.32
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0094	EA	200 LEDs, 234 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,723.10	156.34
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0095	EA	240 LEDs, 269 System Watts, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,127.90	162.36
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 19 00-0096		LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0097		Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0096)</small>		
		Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0098	EA	1 LED Light Square, 51 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	566.17	108.24
26 56 19 00-0099	EA	2 LED Light Squares, 103 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	755.80	120.27
26 56 19 00-0100	EA	3 LED Light Squares, 154 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	814.78	138.31
26 56 19 00-0101	EA	4 LED Light Squares, 206 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,187.98	150.34
26 56 19 00-0102	EA	6 LED Light Squares, 309 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,546.69	171.15
26 56 19 00-0103		LED Roadway Lighting (PlanLED) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0104		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) <small>(26 56 19 00-0103)</small>		
		Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0105	EA	8,500 Lumens, 85 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	690.32	105.23
26 56 19 00-0106	EA	11,000 Lumens, 110 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	714.68	106.39
26 56 19 00-0107	EA	15,000 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	750.93	108.24
26 56 19 00-0108		Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) <small>(26 56 19 00-0103)</small>		
		Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0109	EA	7,200 Lumens, 60 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	467.88	102.69
26 56 19 00-0110	EA	10,000 Lumens, 80 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	495.73	104.54
26 56 19 00-0111	EA	12,500 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	534.08	106.39



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0112 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) <small>(26 56 19 00-0103)</small>		
<small>Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.</small>		
26 56 19 00-0113 EA 13,000 Lumens, 100 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	580.28	106.39
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
<i>For 347-480 Volt, Add</i>	29.40	
26 56 19 00-0114 EA 16,900 Lumens, 130 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	606.28	107.32
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
<i>For 347-480 Volt, Add</i>	28.35	
26 56 19 00-0115 EA 19,500 Lumens, 150 System Watts, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	631.23	108.24
<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
<i>For 347-480 Volt, Add</i>	29.40	
 26 56 19 00-0116 LED Roadway Lighting (General Electric) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0117 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric) <small>(26 56 19 00-0116)</small>		
<small>Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.</small>		
26 56 19 00-0118 EA 2,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 23)	420.31	102.23
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0119 EA 4,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 B1)	449.05	105.23
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0120 EA 5,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 C1)	466.85	106.39
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0121 EA 9,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERX1 0 G1)	516.84	111.25
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0122 EA 2,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 23)	440.96	102.23
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0123 EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 B2)	488.29	105.23
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0124 EA 5,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 C2)	498.87	106.39
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0125 EA 10,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS1 0 G2)	539.56	111.25
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0126 EA 11,600 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 E3)	628.19	114.25
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
26 56 19 00-0127 EA 19,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERS2 0 G3)	705.30	120.27
<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
 26 56 19 00-0128 LED Roadway Lighting (Acuity AEL Autobahn) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0129 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) <small>(26 56 19 00-0128)</small>		
<small>Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.</small>		
26 56 19 00-0130 EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	650.53	105.23
26 56 19 00-0131 EA 6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	797.65	108.24
26 56 19 00-0132 EA 9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	1,094.32	111.25
26 56 19 00-0133 EA 13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	1,393.69	115.64
26 56 19 00-0134 EA 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	1,685.79	118.88
 26 56 19 00-0135 LED Roadway Lighting (Leotek) <small>(26 56 19 00-0035)</small>		
26 56 19 00-0136 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) <small>(26 56 19 00-0135)</small>		
<small>Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.</small>		
26 56 19 00-0137 EA 2,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-4M-MV-NW-X-GY-WL-XXX)	324.82	102.23
<i>For Utility Wattage Label, Add</i>	1.24	
<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
<i>For House Or Cul-De-Sac Side Shield, Add</i>	28.92	
26 56 19 00-0138 EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC1-6M-MV-NW-X-GY-WL-XXX)	368.80	105.23
<i>For Utility Wattage Label, Add</i>	1.24	
<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
<i>For House Or Cul-De-Sac Side Shield, Add</i>	28.92	
26 56 19 00-0139 EA 6,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC3-10M-MV-NW-X-GY-WL-XXX)	421.44	108.24
<i>For Utility Wattage Label, Add</i>	1.24	
<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
<i>For House Or Cul-De-Sac Side Shield, Add</i>	30.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0140	EA	9,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC4-14M-MV-NW-X-GY-WL-XXX).....	473.00	111.25
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	34.08	
26 56	19 00-0141	EA	11,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-18M-MV-NW-X-GY-WL-XXX).....	570.10	114.25
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	37.18	
26 56	19 00-0142	EA	15,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC7-24M-MV-NW-X-GY-WL-XXX).....	653.11	117.25
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	37.18	
26 56	19 00-0143	EA	19,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek EC9-30M-MV-NW-X-GY-WL-XXX).....	723.12	120.27
			<i>For Utility Wattage Label, Add</i>	1.24	
			<i>For ANSI 5-wire Photocontrol Receptacle, Add</i>	12.39	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	13.63	
			<i>For House Or Cul-De-Sac Side Shield, Add</i>	37.18	
26 56	19 00-0144		Induction Roadway Lighting <small>(26 56 19)</small>		
26 56	19 00-0145		Induction Roadway Lighting (Crystal Lighting) <small>(26 56 19 00-0144)</small>		
			Note: Includes gray powder coat finish heavy duty die cast aluminum body and borosilicate drop glass lens.		
26 56	19 00-0146	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	496.19	138.77
			<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56	19 00-0147	EA	65 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	530.84	143.39
			<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56	19 00-0148	EA	80 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	554.44	148.02
			<i>For Black Powder Coat Finish, Add</i>	20.00	
			<i>For Dimming, Add</i>	80.00	
26 56	19 00-0149	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH29).....	583.57	152.64
			<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56	19 00-0150	EA	120 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36).....	734.17	157.27
			<i>For Black Powder Coat Finish, Add</i>	20.00	
26 56	19 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36).....	750.04	161.90
			<i>For Black Powder Coat Finish, Add</i>	20.00	
			<i>For Dimming, Add</i>	80.00	
26 56	19 00-0152	EA	200 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (Crystal Lighting CLP-CH36).....	781.38	166.52
			<i>For Black Powder Coat Finish, Add</i>	20.00	
			<i>For Dimming, Add</i>	80.00	
26 56	19 00-0153		Induction Roadway Lighting (US Lighting Tech) <small>(26 56 19 00-0144)</small>		
			Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.		
26 56	19 00-0154	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	559.13	138.77
26 56	19 00-0155	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	623.60	143.39
26 56	19 00-0156	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	642.10	152.64
26 56	19 00-0157	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	660.60	161.90
26 56	19 00-0158	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	796.84	166.52
26 56	19 00-0159	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....	810.51	171.15
26 56	19 00-0160	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	512.75	138.77
26 56	19 00-0161	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	583.84	143.39
26 56	19 00-0162	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	602.34	152.64
26 56	19 00-0163	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....	620.84	161.90
26 56	23		Area Lighting <small>(26 56)</small>		
26 56	23 00-0001		Exterior Globe <small>(26 56 23)</small>		
26 56	23 00-0002		Incandescent <small>(26 56 23 00-0001)</small>		
26 56	23 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	47.73	15.05
26 56	23 00-0004	EA	150-200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	80.26	15.05
26 56	23 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	59.06	15.05
26 56	23 00-0006	EA	150-200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	84.62	15.05
26 56	23 00-0007		Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 23)</small>		
26 56	23 00-0008		Metal Halide <small>(26 56 23 00-0007)</small>		
26 56	23 00-0009	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	543.20	174.75
26 56	23 00-0010	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	626.54	196.59
26 56	23 00-0011	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	762.46	218.43
26 56	23 00-0012	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture.....	957.77	256.00
26 56	23 00-0013		High Pressure Sodium <small>(26 56 23 00-0007)</small>		



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0014 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	536.94	149.41
26 56 23 00-0015 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	586.39	159.02
26 56 23 00-0016 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	637.24	167.76
26 56 23 00-0017 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	657.75	174.75
26 56 23 00-0018 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	733.55	196.59
26 56 23 00-0019 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	796.49	218.43
26 56 23 00-0020 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,067.17	256.00
26 56 23 00-0021 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23)		
26 56 23 00-0022 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0023 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	520.06	117.96
26 56 23 00-0024 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	539.92	131.06
26 56 23 00-0025 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	487.00	149.41
26 56 23 00-0026 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	593.08	159.02
26 56 23 00-0027 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	611.56	167.76
26 56 23 00-0028 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	640.69	174.75
26 56 23 00-0029 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	700.51	196.59
26 56 23 00-0030 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	853.17	218.43
26 56 23 00-0031 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0032 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	472.98	131.06
26 56 23 00-0033 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	509.05	149.41
26 56 23 00-0034 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	525.54	159.02
26 56 23 00-0035 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	551.26	167.76
26 56 23 00-0036 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	563.79	174.75
26 56 23 00-0037 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	613.63	196.59
26 56 23 00-0038 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	763.33	218.43
26 56 23 00-0039 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures ^(26 56 23 00-0021)		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 23 00-0040 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	159.87	60.19
26 56 23 00-0041 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	167.42	63.95
26 56 23 00-0042 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	182.63	67.71
26 56 23 00-0043 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	188.14	75.23
26 56 23 00-0044 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	211.66	86.51
26 56 23 00-0045 Wall Packs ^(26 56 23)		
26 56 23 00-0046 Non Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 23 00-0047 EA 13 Watt Compact Fluorescent, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	214.90	41.14
26 56 23 00-0048 EA 50 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	228.34	41.14
26 56 23 00-0049 EA 35 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	228.34	41.14
26 56 23 00-0050 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Mini Wall Pack	293.49	41.14
26 56 23 00-0051 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 23 00-0052 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	398.65	41.14
26 56 23 00-0053 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	403.48	41.14
26 56 23 00-0054 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	407.66	41.14
26 56 23 00-0055 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	400.04	41.14
26 56 23 00-0056 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	368.69	41.14
26 56 23 00-0057 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	351.47	41.14
26 56 23 00-0058 Cutoff, Polycarbonate Lens, Mini Wall Packs ^(26 56 23 00-0045)		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 23 00-0059 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	418.49	41.14
26 56 23 00-0060 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	422.89	41.14
26 56 23 00-0061 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	415.28	41.14
26 56 23 00-0062 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	421.41	41.14
26 56 23 00-0063 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	421.41	41.14
26 56 23 00-0064 Non Cutoff, Borosilicate Glass Lens, Small Wall Packs ^(26 56 23 00-0045)		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0065 EA 70 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	408.97	54.80
26 56 23 00-0066 EA 100 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	408.97	54.80
26 56 23 00-0067 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack	385.37	54.80
26 56 23 00-0068 EA 70 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	394.42	54.80
26 56 23 00-0069 EA 100 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	394.42	54.80
26 56 23 00-0070 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	368.25	54.80
26 56 23 00-0071 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 23 00-0072 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	422.95	54.80
26 56 23 00-0073 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	422.95	54.80
26 56 23 00-0074 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack.....	422.95	54.80
26 56 23 00-0075 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	409.07	54.80
26 56 23 00-0076 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	409.07	54.80
26 56 23 00-0077 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	409.07	54.80
26 56 23 00-0078 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 23 00-0079 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	535.89	54.80
26 56 23 00-0080 Cutoff, Borosilicate Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 23 00-0081 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	515.04	67.89
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0082 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	547.03	67.89
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0083 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	585.17	67.89
Note: 9-1/4" x 17-7/8" x 9-3/8".		
26 56 23 00-0084 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack	595.67	67.89
Note: 9-1/4" x 17-7/8" x 12-1/2".		
26 56 23 00-0085 Cutoff, Tempered Glass Lens, Medium Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 23 00-0086 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	556.19	67.89
26 56 23 00-0087 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	592.13	67.89
26 56 23 00-0088 Non Cutoff, Polycarbonate Lens, Large Wall Packs (26 56 23 00-0045) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 23 00-0089 EA 100 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	526.03	82.30
26 56 23 00-0090 EA 175 Watt Metal Halide, Non Cutoff, Polycarbonate Lens, Large Wall Pack	487.96	82.30
26 56 23 00-0091 EA 70 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	517.22	82.30
26 56 23 00-0092 EA 100 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	520.13	82.30
26 56 23 00-0093 EA 150 Watt High Pressure Sodium, Non Cutoff, Polycarbonate Lens, Large Wall Pack	523.18	82.30
26 56 23 00-0094 Non Cutoff, Borosilicate Glass Lens, Large Wall Packs (26 56 23 00-0045) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 23 00-0095 EA 175 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	526.04	82.30
26 56 23 00-0096 EA 250 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	538.74	82.30
26 56 23 00-0097 EA 400 Watt Metal Halide, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	576.81	82.30
26 56 23 00-0098 EA 150 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	551.43	82.30
26 56 23 00-0099 EA 250 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	564.13	82.30
26 56 23 00-0100 EA 400 Watt High Pressure Sodium, Non Cutoff, Borosilicate Glass Lens, Large Wall Pack	589.49	82.30
26 56 23 00-0101 Full Cutoff, LED Wall Packs (26 56 23 00-0045)		
26 56 23 00-0102 Full Cutoff, LED Wall Packs (Lithonia) (26 56 23 00-0101)		
26 56 23 00-0103 EA 30 LEDs, 57 System Watts, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	975.76	80.95
26 56 23 00-0104 EA 30 LEDs, 35 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,064.10	80.95
26 56 23 00-0105 Full Cutoff, LED Wall Packs (CREE® BetaLED®) (26 56 23 00-0101)		
26 56 23 00-0106 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) (26 56 23 00-0105) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0107 EA 20 LEDs, 26 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	605.87	78.64
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	31.26	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0108 EA 40 LEDs, 47 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	777.66	83.27
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	31.73	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0109 EA 60 LEDs, 68 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	949.45	87.89
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	32.19	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0110 EA 80 LEDs, 90 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,121.24	92.52
Note: Includes 350mA or 525mA driver.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	32.65	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0111 EA 100 LEDs, 111 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,293.03	97.14
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	33.11	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0112 EA 120 LEDs, 132 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG).....	1,464.82	101.77
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For Bird Spikes, Add	33.58	
For Fuse, Add	37.15	
For 0 To 10 Volt Dimming, Add	37.15	
For 480 Volt, Add	55.73	
For Multi-Level, Add	80.49	
26 56 23 00-0113 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) <small>(26 56 23 00-0105)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0114 EA 25 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	364.51	78.64
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 0 To 10 Volt Dimming, Add	37.15	
For Multi-Level, Add	37.15	
26 56 23 00-0115 EA 42 System Watts, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™).....	422.11	83.27
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	12.38	
For 0 To 10 Volt Dimming, Add	37.15	
For Multi-Level, Add	37.15	
26 56 23 00-0116 Semi Cutoff, Induction Wall Packs <small>(26 56 23 00-0045)</small>		
26 56 23 00-0117 Semi Cutoff, Induction Wall Packs (Everlast®) <small>(26 56 23 00-0116)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0118 EA 70 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	643.91	78.64
26 56 23 00-0119 EA 80 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	658.58	83.27
26 56 23 00-0120 EA 100 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	673.26	87.89
26 56 23 00-0121 EA 120 Watts, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	747.57	92.52
26 56 23 00-0122 Wall Pack Accessories <small>(26 56 23 00-0045)</small>		
26 56 23 00-0123 EA Photocell For Wall Pack.....	80.06	20.58
26 56 23 00-0124 EA Wire Guard For Mini And Small Wall Pack	88.19	20.58
26 56 23 00-0125 EA Wire Guard For Medium And Large Wall Pack	122.21	20.58
26 56 23 00-0126 EA Vandal Guard For Wall Pack	171.31	20.58
26 56 23 00-0127 EA Full Cutoff Visor For Wall Pack	85.97	20.58
26 56 23 00-0128 LED Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0129 Pole Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0130 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 23 00-0129)</small>		
Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0131 EA 20 LEDs, 45 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	1,882.72	78.64
26 56 23 00-0132 EA 40 LEDs, 91 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,030.00	83.27
26 56 23 00-0133 EA 80 LEDs, 188 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,186.54	92.52
26 56 23 00-0134 EA 100 LEDs, 218 System Watts, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,195.79	97.14

26 Electrical
26 50 Lighting
26 56 Exterior Lighting



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 23 00-0135	Pole Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABP) (26 56 23 00-0129) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0136	EA 20 LEDs, 39 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,349.73	78.64
	For 0 To 10 Volt Dimming, Add	47.04	
	For 347-480 Volt, Add	53.70	
26 56 23 00-0137	EA 40 LEDs, 70 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	1,829.38	83.27
	For 0 To 10 Volt Dimming, Add	47.04	
	For 347-480 Volt, Add	53.70	
26 56 23 00-0138	EA 60 LEDs, 103 System Watts, Pole Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABP)	2,309.03	87.89
	For 0 To 10 Volt Dimming, Add	47.04	
	For 347-480 Volt, Add	53.70	

26 56 23 00-0139	Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) (26 56 23 00-0129) Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 23 00-0140	EA 40 LEDs, 47 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	786.98	83.27
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	951.74	
26 56 23 00-0141	EA 60 LEDs, 68 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	945.37	87.89
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	954.51	
26 56 23 00-0142	EA 80 LEDs, 90 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,163.43	92.52
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	957.29	
26 56 23 00-0143	EA 100 LEDs, 111 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,321.82	97.14
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	960.06	
26 56 23 00-0144	EA 120 LEDs, 132 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,480.23	101.77
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	962.84	
26 56 23 00-0145	EA 140 LEDs, 157 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,686.36	106.39
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	965.61	
26 56 23 00-0146	EA 160 LEDs, 179 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	1,844.75	111.02
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	968.39	
26 56 23 00-0147	EA 200 LEDs, 221 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,161.57	120.27
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	973.94	
26 56 23 00-0148	EA 240 LEDs, 264 System Watts, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG).....	2,469.11	124.89
	For Backlight Shielding, Add	16.46	
	For 347-480 Volt, Add	53.70	
	For Multi-Level Drive Currents, Add	164.64	
	For Post Top Mount, Add	976.72	

26 56 23 00-0149	Arm Mount, Round, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) (26 56 23 00-0129) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
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Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0150 EA 40 LEDs, 47 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,123.78	83.27
<i>For Backlight Shielding, Add</i>	16.46	
<i>For 347-480 Volt, Add</i>	53.70	
<i>For Multi-Level Drive Currents, Add</i>	164.64	
<i>For Post Top Mount, Add</i>	951.74	
26 56 23 00-0151 EA 60 LEDs, 68 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,328.25	87.89
<i>For Backlight Shielding, Add</i>	16.46	
<i>For 347-480 Volt, Add</i>	53.70	
<i>For Multi-Level Drive Currents, Add</i>	164.64	
<i>For Post Top Mount, Add</i>	954.51	
26 56 23 00-0152 EA 80 LEDs, 90 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,533.89	92.52
<i>For Backlight Shielding, Add</i>	16.46	
<i>For 347-480 Volt, Add</i>	53.70	
<i>For Multi-Level Drive Currents, Add</i>	164.64	
<i>For Post Top Mount, Add</i>	957.29	
26 56 23 00-0153 EA 100 LEDs, 111 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,739.53	97.14
<i>For Backlight Shielding, Add</i>	16.46	
<i>For 347-480 Volt, Add</i>	53.70	
<i>For Multi-Level Drive Currents, Add</i>	164.64	
<i>For Post Top Mount, Add</i>	960.06	
26 56 23 00-0154 EA 120 LEDs, 132 System Watts, Arm Mount, Round, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	1,944.00	101.77
<i>For Backlight Shielding, Add</i>	16.46	
<i>For 347-480 Volt, Add</i>	53.70	
<i>For Multi-Level Drive Currents, Add</i>	164.64	
<i>For Post Top Mount, Add</i>	962.84	
26 56 23 00-0155 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <small>(26 56 23 00-0129)</small>		
<i>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</i>		
26 56 23 00-0156 EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	1,411.50	101.77
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
<i>For Bird Spikes, Add</i>	29.69	
<i>For 5,000K Color Temperature, Add</i>	30.96	
<i>For Fuse, Add</i>	37.15	
<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
<i>For 480 Volt, Add</i>	55.73	
<i>For Multi-Level, Add</i>	80.49	
<i>For 1,000mA Driver, Add</i>	104.03	
26 56 23 00-0157 EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,367.64	124.89
<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
<i>For 5,000K Color Temperature, Add</i>	30.96	
<i>For Fuse, Add</i>	37.15	
<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
<i>For Bird Spikes, Add</i>	43.71	
<i>For Multi-Level, Add</i>	80.49	
<i>For 1,000mA Driver, Add</i>	104.38	
<i>For 480 Volt, Add</i>	111.45	
26 56 23 00-0158 Wall Mount, LED Area Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0159 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) <small>(26 56 23 00-0158)</small>		
<i>Note: UL wet listed. Includes 4,000K color temperature, 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.</i>		
26 56 23 00-0160 EA 20 LEDs, 47 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	821.22	78.64
26 56 23 00-0161 EA 30 LEDs, 71 System Watts, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	839.72	87.89
26 56 23 00-0162 Wall Mount, Rectangular, LED Architectural Area Fixtures (CREE® Aeroblades™ BXABR) <small>(26 56 23 00-0158)</small>		
<i>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 525mA remote driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</i>		
26 56 23 00-0163 EA 20 LEDs, 39 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR)	1,302.69	78.64
<i>For 0 To 10 Volt Dimming, Add</i>	47.04	
<i>For 347-480 Volt, Add</i>	53.70	
26 56 23 00-0164 EA 40 LEDs, 70 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	1,791.59	87.89
<i>For 0 To 10 Volt Dimming, Add</i>	47.04	
<i>For 347-480 Volt, Add</i>	53.70	
26 56 23 00-0165 EA 60 LEDs, 103 System Watts, Wall Mount, Rectangular, LED Architectural Area Fixture (CREE® Aeroblades™ BXABR).....	2,261.99	87.89
<i>For 0 To 10 Volt Dimming, Add</i>	47.04	
<i>For 347-480 Volt, Add</i>	53.70	
26 56 23 00-0166 Surface Mount, LED Parking Structure Fixtures <small>(26 56 23 00-0128)</small>		

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0167		Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 23 00-0166)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0168	EA	20 LEDs, 26 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	659.42	78.64
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0169	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	865.06	83.27
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0170	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,069.53	87.89
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0171	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,275.17	92.52
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0172	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,480.81	97.14
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0173		Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 23 00-0166)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0174	EA	40 LEDs, 47 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	833.31	83.27
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0175	EA	60 LEDs, 68 System Watts, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	921.35	87.89
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0176		Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 23 00-0166)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0177	EA	3,700 Lumens, 50 System Watts, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	525.41	83.27
26 56 23 00-0178		Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 23 00-0166)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		
26 56 23 00-0179	EA	70 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,041.85	87.89
26 56 23 00-0180	EA	110 System Watts, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,060.35	97.14
26 56 23 00-0181		Surface Mount, LED Canopy Fixtures <small>(26 56 23 00-0128)</small>		
26 56 23 00-0182		Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) <small>(26 56 23 00-0181)</small> Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0183	EA	40 LEDs, 47 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,006.18	83.27
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0184	EA	60 LEDs, 68 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,210.65	87.89
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0185	EA	80 LEDs, 90 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,416.29	92.52
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0186	EA	100 LEDs, 111 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,621.93	97.14
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0187	EA	120 LEDs, 132 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,826.40	101.77
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0188	EA	140 LEDs, 157 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,110.84	106.39
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0189	EA	160 LEDs, 179 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,315.31	111.02
		<i>For Multi-Level Drive Currents, Add</i>	164.64	
26 56 23 00-0190	EA	200 LEDs, 221 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,726.60	120.27
		<i>For Multi-Level Drive Currents, Add</i>	164.64	



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0191 EA 240 LEDs, 264 System Watts, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)..... <i>For Multi-Level Drive Currents, Add</i>	3,127.46 164.64	124.89
26 56 23 00-0192 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) (26 56 23 00-0181) Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0193 EA 8,000 Lumens, 82 System Watts, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250).....	599.13	92.52
26 56 23 00-0194 Recessed Mount, LED Soffit Fixtures (26 56 23 00-0128)		
26 56 23 00-0195 Recessed Mount, Rectangular, LED Soffit Fixtures (CREE® BetaLED® SFT-227) (26 56 23 00-0194) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0196 EA 30 LEDs, 36 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	834.57	80.95
26 56 23 00-0197 EA 60 LEDs, 68 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,091.87	87.89
26 56 23 00-0198 EA 90 LEDs, 101 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,443.27	94.82
26 56 23 00-0199 EA 120 LEDs, 139 System Watts, Recessed Mount, Rectangular, LED Soffit Fixture (CREE® BetaLED® SFT-227).....	1,667.64	101.77
26 56 23 00-0200 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) (26 56 23 00-0194) Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0201 EA 40 LEDs, 47 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	848.60	83.27
26 56 23 00-0202 EA 60 LEDs, 68 System Watts, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	935.47	87.89
26 56 23 00-0203 Surface Mount, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0204 Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) (26 56 23 00-0203) Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 23 00-0205 EA 50 LEDs, 59 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	618.96	83.27
26 56 23 00-0206 EA 50 LEDs, 59 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	769.05	83.27
26 56 23 00-0207 EA 68 LEDs, 79 System Watts, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	651.25	92.52
26 56 23 00-0208 EA 68 LEDs, 79 System Watts, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	795.12	92.52
26 56 23 00-0209 Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) (26 56 23 00-0203) Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0210 EA 13 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)..... <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	201.98 45.00	29.63
26 56 23 00-0211 EA 20 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)..... <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	234.35 45.00	29.63
26 56 23 00-0212 EA 30 System Watts, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)..... <i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	296.01 45.00	29.63
26 56 23 00-0213 Surface Mount, LED Facade Fixtures (26 56 23 00-0128)		
26 56 23 00-0214 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 23 00-0213)		
26 56 23 00-0215 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	392.22	34.61
26 56 23 00-0216 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	629.58	31.60
26 56 23 00-0217 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	799.36	26.33
26 56 23 00-0218 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	969.12	21.06
26 56 23 00-0219 Post Top, LED Area Fixtures (26 56 23 00-0128)		
26 56 23 00-0220 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 23 00-0219) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0221 EA 1,800 Lumens, 27 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	1,125.82	127.20
26 56 23 00-0222 EA 3,400 Lumens, 54 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	1,237.00	127.20
26 56 23 00-0223 EA 77 System Watts, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	1,324.89	127.20

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

26 56 23 00-0224		Post Top, LED Area Fixtures (General Electric EPAS) <small>(26 56 23 00-0219)</small> Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 23 00-0225	EA	2,400 Lumens, 49 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS)	2,202.69	127.20
26 56 23 00-0226	EA	4,600 Lumens, 86 System Watts, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS)	2,286.29	127.20
26 56 23 00-0227		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) <small>(26 56 23 00-0219)</small> Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 23 00-0228	EA	13,800 Lumens, 130 System Watts, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	1,855.62	127.20
26 56 23 00-0229		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) <small>(26 56 23 00-0219)</small> Note: Includes 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0123 for disposal of hazardous lamps.		
26 56 23 00-0230	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	522.37	69.38
		<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
26 56 23 00-0231		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <small>(26 56 23 00-0219)</small> Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0123 for disposal of hazardous lamps.		
26 56 23 00-0232	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	324.47	14.80
		<i>For Backlight Control Shield, Add</i>	25.06	
26 56 23 00-0233		Induction Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0234		Post Top, Induction Area Fixtures <small>(26 56 23 00-0233)</small>		
26 56 23 00-0235		Post Top, Induction Area Fixtures (Crystal Lighting) <small>(26 56 23 00-0234)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and acrylic lens.		
26 56 23 00-0236	EA	65 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN)	629.87	127.20
26 56 23 00-0237	EA	80 Watt Induction, Post Top Mount, Acorn Style Area Fixture (Crystal Lighting CLP-ACRN)	695.02	127.20
26 56 23 00-0238		Post Top, Induction Area Fixtures (US Lighting Tech) <small>(26 56 23 00-0234)</small> Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 23 00-0239	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	653.06	127.20
26 56 23 00-0240	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	717.11	127.20
26 56 23 00-0241	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	717.11	127.20
26 56 23 00-0242	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	717.11	127.20
26 56 23 00-0243		Surface Mount, Induction Parking Structure Fixtures <small>(26 56 23 00-0233)</small>		
26 56 23 00-0244		Surface Mount, Induction Parking Structure Fixtures (Everlast®) <small>(26 56 23 00-0243)</small>		
26 56 23 00-0245	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	576.01	115.64
26 56 23 00-0246	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	618.18	117.95
26 56 23 00-0247	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	627.23	120.27
26 56 23 00-0248	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	636.27	122.58
26 56 23 00-0249	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	645.31	124.89
26 56 23 00-0250	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	658.77	127.20
26 56 23 00-0251	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	691.28	120.27
26 56 23 00-0252	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	700.31	122.58
26 56 23 00-0253	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	709.36	124.89
26 56 23 00-0254	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	741.59	127.20
26 56 23 00-0255		Pole Mount, Induction Area Fixtures <small>(26 56 23 00-0233)</small>		
26 56 23 00-0256		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) <small>(26 56 23 00-0255)</small> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 23 00-0257	EA	70 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	671.02	78.64
26 56 23 00-0258	EA	80 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	691.12	83.27
26 56 23 00-0259	EA	100 Watts, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	711.21	87.89
26 56 23 00-0260		Metal Halide Area Fixtures <small>(26 56 23)</small>		
26 56 23 00-0261		Pole Mount, Metal Halide Area Fixtures <small>(26 56 23 00-0260)</small> Note: Includes pulse start ballast.		
26 56 23 00-0262	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	634.86	115.90



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 23 00-0263 EA 175 Watt, Metal Halide Area Fixture, Pole Mount.....	699.53	127.50
26 56 23 00-0264 EA 250 Watt, Metal Halide Area Fixture, Pole Mount.....	770.63	139.09
26 56 23 00-0265 EA 400 Watt, Metal Halide Area Fixture, Pole Mount.....	819.57	162.27
26 56 23 00-0266 High Pressure Sodium Area Fixtures (26 56 23)		
26 56 23 00-0267 Pole Mount, High Pressure Sodium Area Fixtures (26 56 23 00-0266)		
26 56 23 00-0268 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	527.57	92.73
26 56 23 00-0269 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	582.34	115.90
26 56 23 00-0270 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	636.07	139.09
26 56 23 00-0271 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount.....	680.97	162.27
26 56 23 00-0272 Area Lighting Accessories (26 56 23)		
26 56 23 00-0273 Outdoor Motion Sensors (26 56 23 00-0272)		
26 56 23 00-0274 EA 70' Range, 180 Degree Detection Zone, 8 Amp Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	74.72	20.61
26 56 23 00-0275 EA 70' Range, 200 Degree Detection Zone, 10 Amp Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	80.79	20.61
26 56 23 00-0276 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	306.36	20.61
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.36	
26 56 26 Landscape Lighting (26 56)		
26 56 26 00-0001 Bollards (26 56 26) Note: Excludes concrete base.		
26 56 26 00-0002 Aluminum Architectural Bollards (26 56 26 00-0001)		
26 56 26 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)		
26 56 26 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	827.08	69.95
26 56 26 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.30	74.07
26 56 26 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	843.53	78.18
26 56 26 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	785.40	82.30
26 56 26 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	827.08	69.95
26 56 26 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.30	74.07
26 56 26 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	843.53	78.18
26 56 26 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	785.40	82.30
26 56 26 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	827.08	69.95
26 56 26 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.30	74.07
26 56 26 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	843.53	78.18
26 56 26 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	785.40	82.30
26 56 26 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	827.08	69.95
26 56 26 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	835.30	74.07
26 56 26 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	843.53	78.18
26 56 26 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	785.40	82.30
26 56 26 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 56 26 00-0003)		
26 56 26 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	796.61	69.95
26 56 26 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	804.83	74.07
26 56 26 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.06	78.18
26 56 26 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	754.65	82.30
26 56 26 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	796.61	69.95
26 56 26 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	804.83	74.07
26 56 26 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.06	78.18
26 56 26 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	754.65	82.30
26 56 26 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	796.61	69.95
26 56 26 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	804.83	74.07
26 56 26 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.06	78.18
26 56 26 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	754.65	82.30
26 56 26 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	796.61	69.95
26 56 26 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	804.83	74.07
26 56 26 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	813.06	78.18
26 56 26 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	754.65	82.30
26 56 26 00-0038 Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0039 Square, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0040 EA 24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	866.65	69.95
26 56 26 00-0041 EA 30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	874.87	74.07
26 56 26 00-0042 EA 36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	883.10	78.18
26 56 26 00-0043 EA 42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	824.69	82.30
26 56 26 00-0044 EA 24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	866.65	69.95
26 56 26 00-0045 EA 30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	874.87	74.07
26 56 26 00-0046 EA 36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	883.10	78.18

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0047 EA 42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	824.69	82.30
26 56 26 00-0048 EA 24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	866.65	69.95
26 56 26 00-0049 EA 30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	874.87	74.07
26 56 26 00-0050 EA 36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	883.10	78.18
26 56 26 00-0051 EA 42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	857.80	82.30
26 56 26 00-0052 Round, Metal Halide, Aluminum Architectural Bollards (26 56 26 00-0038)		
26 56 26 00-0053 EA 24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	835.90	69.95
26 56 26 00-0054 EA 30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	844.12	74.07
26 56 26 00-0055 EA 36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	852.35	78.18
26 56 26 00-0056 EA 42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	793.94	82.30
26 56 26 00-0057 EA 24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	835.90	69.95
26 56 26 00-0058 EA 30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	844.12	74.07
26 56 26 00-0059 EA 36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	852.35	78.18
26 56 26 00-0060 EA 42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	793.94	82.30
26 56 26 00-0061 EA 24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	835.90	69.95
26 56 26 00-0062 EA 30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	844.12	74.07
26 56 26 00-0063 EA 36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	852.35	78.18
26 56 26 00-0064 EA 42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	793.94	82.30
26 56 26 00-0065 Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0067 EA 24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	823.61	69.95
26 56 26 00-0068 EA 30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	831.83	74.07
26 56 26 00-0069 EA 36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	840.06	78.18
26 56 26 00-0070 EA 42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	782.56	82.30
26 56 26 00-0071 EA 24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	823.61	69.95
26 56 26 00-0072 EA 30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	831.83	74.07
26 56 26 00-0073 EA 36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	840.06	78.18
26 56 26 00-0074 EA 42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	782.56	82.30
26 56 26 00-0075 EA 24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	823.61	69.95
26 56 26 00-0076 EA 30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	831.83	74.07
26 56 26 00-0077 EA 36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	840.06	78.18
26 56 26 00-0078 EA 42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	782.56	82.30
26 56 26 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards (26 56 26 00-0065)		
26 56 26 00-0080 EA 24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	793.53	69.95
26 56 26 00-0081 EA 30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	801.75	74.07
26 56 26 00-0082 EA 36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	809.98	78.18
26 56 26 00-0083 EA 42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	753.06	82.30
26 56 26 00-0084 EA 24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	793.53	69.95
26 56 26 00-0085 EA 30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	801.75	74.07
26 56 26 00-0086 EA 36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	809.98	78.18
26 56 26 00-0087 EA 42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	753.06	82.30
26 56 26 00-0088 EA 24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	793.53	69.95
26 56 26 00-0089 EA 30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	801.75	74.07
26 56 26 00-0090 EA 36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	809.98	78.18
26 56 26 00-0091 EA 42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	753.06	82.30
26 56 26 00-0092 LED, Aluminum Architectural Bollards (26 56 26 00-0002)		
26 56 26 00-0093 Square, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0094 EA 24" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	979.79	69.95
26 56 26 00-0095 EA 30" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	988.01	74.07
26 56 26 00-0096 EA 36" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	996.24	78.18
26 56 26 00-0097 EA 42" Overall Height, 6-3/4" Square, 12 LEDs, LED, Aluminum Architectural Bollard.....	939.57	82.30
26 56 26 00-0098 EA 24" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,189.18	69.95
26 56 26 00-0099 EA 30" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,197.40	74.07
26 56 26 00-0100 EA 36" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,205.63	78.18
26 56 26 00-0101 EA 42" Overall Height, 6-3/4" Square, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,147.92	82.30
26 56 26 00-0102 Round, LED, Aluminum Architectural Bollards (26 56 26 00-0092)		
26 56 26 00-0103 EA 24" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	948.55	69.95
26 56 26 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	956.77	74.07
26 56 26 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	965.00	78.18
26 56 26 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, LED, Aluminum Architectural Bollard.....	907.29	82.30
26 56 26 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,157.95	69.95
26 56 26 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,166.17	74.07
26 56 26 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,174.40	78.18
26 56 26 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, LED, Aluminum Architectural Bollard.....	1,117.05	82.30
26 56 26 00-0111 Reinforced Concrete Bollards (26 56 26 00-0001)		
26 56 26 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	882.91	205.73



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 26 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard.....	1,447.80	274.28
26 56 26 00-0114 Low Voltage <small>(26 56 26)</small>		
26 56 26 00-0115 EA Low Voltage Recessed Uplight.....	646.24	149.77
26 56 26 00-0116 EA Low Voltage Walkway.....	477.17	82.30
26 56 26 00-0117 EA Low Voltage Malibu - 5 Light Set.....	447.07	109.86
26 56 26 00-0118 EA Low Voltage Mushroom 24" Pier.....	397.60	82.30
26 56 26 00-0119 Recessed, Adjustable <small>(26 56 26)</small>		
26 56 26 00-0120 EA 150 Watt Incandescent Recessed, Adjustable.....	791.88	131.67
26 56 26 00-0121 EA 300 Watt Incandescent Recessed, Adjustable.....	877.13	131.67
26 56 26 00-0122 Recessed, Uplight <small>(26 56 26)</small>		
26 56 26 00-0123 EA 50 Watt Incandescent Recessed Uplight.....	695.26	131.67
26 56 26 00-0124 EA 150 Watt Incandescent Recessed Uplight.....	712.31	131.67
26 56 26 00-0125 EA 300 Watt Incandescent Recessed Uplight.....	763.46	131.67
26 56 26 00-0126 EA 500 Watt Quartz Recessed Uplight.....	757.77	131.67
26 56 26 00-0127 EA 5 Watt LED Recessed Uplight.....	645.44	131.67
26 56 26 00-0128 EA 15 Watt LED Recessed Uplight.....	703.76	131.67
26 56 26 00-0129 Recessed Wall Light <small>(26 56 26)</small>		
26 56 26 00-0130 EA 100 Watt Incandescent Recessed Wall Light.....	346.45	82.30
26 56 26 00-0131 EA 100 Watt Fluorescent Recessed Wall Light.....	329.40	82.30
26 56 26 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	555.06	109.86
26 56 26 00-0133 Step Lights <small>(26 56 26)</small>		
26 56 26 00-0134 EA Incandescent Step Light.....	285.08	65.84
26 56 26 00-0135 EA Fluorescent Step Light.....	341.96	65.84
26 56 26 00-0136 EA 5 Watt LED Step Light.....	351.34	65.84
26 56 26 00-0137 EA 15 Watt LED Step Light.....	413.54	65.84
26 56 26 00-0138 Tree Lights, Surface Adjustable <small>(26 56 26)</small>		
26 56 26 00-0139 EA 50 Watt Incandescent Tree Lights.....	628.94	109.86
26 56 26 00-0140 EA 100 Watt Incandescent Tree Lights.....	645.99	109.86
26 56 26 00-0141 EA 150 Watt Incandescent Tree Lights.....	783.85	164.58
26 56 26 00-0142 Underwater Lights <small>(26 56 26)</small>		
26 56 26 00-0143 EA 150 Watt, 120 Volt Underwater Lights.....	547.09	54.72
26 56 26 00-0144 EA 300 Watt, 120 Volt Underwater Lights.....	615.29	54.72
26 56 26 00-0145 EA 1,000 Watt, 120 Volt Underwater Lights.....	1,557.04	82.30
26 56 26 00-0146 EA 50 Watt, 12 V Underwater Lights.....	575.51	54.72
26 56 26 00-0147 EA 300 Watt, 12 V Underwater Lights.....	655.08	54.72
26 56 26 00-0148 EA Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent.....	1,695.81	123.44
26 56 33 Walkway Lighting <small>(26 56)</small>		
26 56 33 00-0001 Incandescent Walkway <small>(26 56 33)</small>		
26 56 33 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture.....	357.93	76.53
26 56 33 00-0003 Metal Halide Walkway <small>(26 56 33)</small>		
26 56 33 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture.....	548.41	120.31
26 56 33 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture.....	583.94	124.67
26 56 33 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture.....	635.61	129.44
26 56 33 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture.....	679.04	139.90
26 56 33 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture.....	599.72	129.44
26 56 33 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture.....	617.45	120.31
26 56 33 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture.....	627.02	124.67
26 56 33 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture.....	512.39	85.75
26 56 33 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture.....	548.28	85.75
26 56 33 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture.....	584.17	85.75
26 56 33 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture.....	659.74	96.53
26 56 33 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture.....	495.05	77.02
26 56 33 00-0016 High Pressure Sodium Walkway <small>(26 56 33)</small>		
26 56 33 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture.....	481.08	120.31
26 56 33 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture.....	510.75	124.67
26 56 33 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture.....	553.18	129.44
26 56 33 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture.....	591.73	139.90
26 56 33 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture.....	525.14	129.44

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 33 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	535.02	120.31
26 56 33 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture.....	544.41	124.67
26 56 33 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	437.81	85.75
26 56 33 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture.....	465.85	85.75
26 56 33 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	493.89	85.75
26 56 33 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	557.68	96.53
26 56 33 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	420.47	77.02
26 56 33 00-0029 Walkway, Adjustable <small>(26 56 33)</small>		
26 56 33 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture.....	520.75	109.86
26 56 33 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture.....	538.45	109.86
26 56 33 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture.....	954.81	164.58
26 56 33 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture	447.89	82.30
26 56 33 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture	471.50	82.30
26 56 33 00-0035 LED Walkway <small>(26 56 33)</small>		
26 56 33 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 56 33 00-0036)</small>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 33 00-0037 EA 13" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	693.32	63.19
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0038 EA 18" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	716.84	63.19
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0039 EA 36" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	756.82	63.19
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0040 EA 42" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	787.40	63.19
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 33 00-0041 EA 96" Height, 1,248 Lumens, 22 System Watts, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	904.52	81.25
<i>For Multi-Level Drive Currents, Add</i>		
	164.64	
26 56 36 Flood Lighting <small>(26 56)</small>		
26 56 36 00-0001 General Electric Powerflood® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0002 MPF (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 56 36 00-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light	225.43	69.54
26 56 36 00-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light	227.16	69.54
26 56 36 00-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light	230.03	69.54
26 56 36 00-0007 Metal Halide MPF Series GE Flood Lights <small>(26 56 36 00-0002)</small>		
26 56 36 00-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light.....	293.93	69.54
26 56 36 00-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0010 High Pressure Sodium P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light	433.53	92.73
26 56 36 00-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light	435.84	92.73
26 56 36 00-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light	439.87	92.73
26 56 36 00-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light	485.34	92.73
26 56 36 00-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light	498.58	92.73
26 56 36 00-0016 Metal Halide P-154 Series GE Flood Lights <small>(26 56 36 00-0009)</small>		
26 56 36 00-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light	429.50	92.73
26 56 36 00-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light	449.65	92.73
26 56 36 00-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light	460.01	92.73
26 56 36 00-0020 PF-154 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small>		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0021 High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light	446.93	104.32
26 56 36 00-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light	449.81	104.32
26 56 36 00-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	454.41	104.32
26 56 36 00-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light	499.31	104.32
26 56 36 00-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	511.97	104.32



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0027 Metal Halide PF-154 GE Flood Lights <small>(26 56 36 00-0020)</small>		
26 56 36 00-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light.....	443.47	104.32
26 56 36 00-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light.....	463.05	104.32
26 56 36 00-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light.....	473.41	104.32
26 56 36 00-0031 PF-400 (Medium Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0032 High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	582.77	104.32
26 56 36 00-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	623.06	104.32
26 56 36 00-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	620.18	104.32
26 56 36 00-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	634.57	104.32
26 56 36 00-0037 Metal Halide PF-400 GE Flood Lights <small>(26 56 36 00-0031)</small>		
26 56 36 00-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light.....	597.74	104.32
26 56 36 00-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light.....	609.82	104.32
26 56 36 00-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light.....	622.49	104.32
26 56 36 00-0041 PF-1000 (Large Size) Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0042 High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	778.06	115.90
26 56 36 00-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	778.06	115.90
26 56 36 00-0045 Metal Halide PF-1000 Series GE Flood Lights <small>(26 56 36 00-0041)</small>		
26 56 36 00-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	744.68	115.90
26 56 36 00-0047 HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 56 36 00-0001)</small> Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0048 High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	638.03	104.32
26 56 36 00-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	648.96	104.32
26 56 36 00-0051 Metal Halide HLU/VLU Series GE Flood Lights <small>(26 56 36 00-0047)</small>		
26 56 36 00-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	644.36	104.32
26 56 36 00-0053 Accessories For Powerflood GE Flood Lights <small>(26 56 36 00-0001)</small>		
26 56 36 00-0054 EA Wireguard For Powerflood GE Flood Light.....	112.55	23.18
26 56 36 00-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	69.96	23.18
26 56 36 00-0056 EA Top Visor For Powerflood Flood Light.....	96.44	23.18
26 56 36 00-0057 EA Top And Two Side Visors For Powerflood GE Flood Light.....	76.29	23.18
26 56 36 00-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	197.80	69.54
26 56 36 00-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light.....	82.62	23.18
26 56 36 00-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	154.63	69.54
26 56 36 00-0061 EA Steel Angle Bracket For Powerflood GE Flood Light.....	159.81	69.54
26 56 36 00-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light.....	64.78	23.18
26 56 36 00-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	63.05	23.18
26 56 36 00-0064 Lithonia Contour Series Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0065 TFM (Small Size) Series Lithonia Flood Lights <small>(26 56 36 00-0064)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 56 36 00-0066 High Pressure Sodium TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	402.89	92.73
26 56 36 00-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	436.12	92.73
26 56 36 00-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	468.67	92.73
26 56 36 00-0070 Metal Halide TFM Series Lithonia Flood Lights <small>(26 56 36 00-0065)</small>		
26 56 36 00-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	509.28	92.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	501.28	92.73
26 56 36 00-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	488.39	92.73
26 56 36 00-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light.....	487.43	92.73
26 56 36 00-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 56 36 00-0065)		
26 56 36 00-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	505.97	92.73
26 56 36 00-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	599.26	104.32
26 56 36 00-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	610.34	104.32
26 56 36 00-0081 Metal Halide TFL Series Lithonia Flood Lights (26 56 36 00-0077)		
26 56 36 00-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	574.34	104.32
26 56 36 00-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	574.34	104.32
26 56 36 00-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	591.73	104.32
26 56 36 00-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	570.55	92.73
26 56 36 00-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	587.14	92.73
26 56 36 00-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	601.00	92.73
26 56 36 00-0090 Metal Halide TFR Lithonia Flood Lights (26 56 36 00-0085)		
26 56 36 00-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	565.00	92.73
26 56 36 00-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	581.61	92.73
26 56 36 00-0093 TFA (Large Size) Series Lithonia Flood Lights (26 56 36 00-0064) Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 56 36 00-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,076.66	115.90
26 56 36 00-0096 Metal Halide TFA Series Lithonia Flood Lights (26 56 36 00-0093)		
26 56 36 00-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	841.21	115.90
26 56 36 00-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	924.30	115.90
26 56 36 00-0099 Accessories For Contour Series Lithonia Flood Lights (26 56 36 00-0064)		
26 56 36 00-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	98.59	23.18
26 56 36 00-0101 EA Vandal Guard For Contour Series Lithonia Flood Light.....	180.15	23.18
26 56 36 00-0102 EA Upper Visor For Contour Series Lithonia Flood Light.....	83.20	23.18
26 56 36 00-0103 EA Full Visor For Contour Series Lithonia Flood Light.....	108.12	23.18
26 56 36 00-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	249.87	69.54
26 56 36 00-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	205.77	69.54
26 56 36 00-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	205.77	69.54
26 56 36 00-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	223.36	69.54
26 56 36 00-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	94.80	23.18
26 56 36 00-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	77.90	23.18
26 56 36 00-0110 Ruud Flood Lights (26 56 36)		
26 56 36 00-0111 NS (Micro) Series Ruud Flood Lights (26 56 36 00-0110) Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 56 36 00-0112 High Pressure Sodium NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0113 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	269.18	69.54
26 56 36 00-0114 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	269.18	69.54
26 56 36 00-0115 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	269.18	69.54
26 56 36 00-0116 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	269.18	69.54
26 56 36 00-0117 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	269.18	69.54
26 56 36 00-0118 Metal Halide NS Series Ruud Flood Lights (26 56 36 00-0111)		



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0119 EA 50 Watt Metal Halide NS Series Ruud Flood Light	301.41	69.54
26 56 36 00-0120 EA 70 Watt Metal Halide NS Series Ruud Flood Light	301.41	69.54
26 56 36 00-0121 EA 100 Watt Metal Halide NS Series Ruud Flood Light	301.41	69.54
26 56 36 00-0122 Compact Fluorescent NS Series Ruud Flood Lights (26 56 36 00-0111)		
26 56 36 00-0123 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light	235.79	69.54
26 56 36 00-0124 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light	243.85	69.54
26 56 36 00-0125 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light	246.15	69.54
26 56 36 00-0126 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light	248.45	69.54
26 56 36 00-0127 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 56 36 00-0128 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0129 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	413.54	104.32
26 56 36 00-0130 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	434.27	104.32
26 56 36 00-0131 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	445.78	104.32
26 56 36 00-0132 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0133 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	408.94	104.32
26 56 36 00-0134 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	411.24	104.32
26 56 36 00-0135 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	418.15	104.32
26 56 36 00-0136 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 56 36 00-0127)		
26 56 36 00-0137 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	400.88	104.32
26 56 36 00-0138 FS (Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0139 High Pressure Sodium FS Series Ruud Flood Lights (26 56 36 00-0138)		
26 56 36 00-0140 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light	474.56	104.32
26 56 36 00-0141 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light	476.86	104.32
26 56 36 00-0142 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	778.64	115.90
26 56 36 00-0143 Metal Halide FS Series Ruud Flood Lights (26 56 36 00-0138)		
26 56 36 00-0144 EA 175 Watt Metal Halide FS Series Ruud Flood Light	474.56	104.32
26 56 36 00-0145 EA 250 Watt Metal Halide FS Series Ruud Flood Light	476.86	104.32
26 56 36 00-0146 EA 400 Watt Metal Halide FS Series Ruud Flood Light	483.77	104.32
26 56 36 00-0147 EA 1,000 Watt Metal Halide FS Series Ruud Flood Light	702.66	115.90
26 56 36 00-0148 MFS (Mini Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 56 36 00-0149 High Pressure Sodium MFS Series Ruud Flood Lights (26 56 36 00-0148)		
26 56 36 00-0150 EA 35 Watt High Pressure Sodium MFS Series Ruud Flood Light	377.70	92.73
26 56 36 00-0151 EA 50 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0152 EA 70 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0153 EA 100 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0154 EA 150 Watt High Pressure Sodium MFS Series Ruud Flood Light	401.88	92.73
26 56 36 00-0155 Metal Halide MFS Series Ruud Flood Lights (26 56 36 00-0148)		
26 56 36 00-0156 EA 50 Watt Metal Halide MFS Series Ruud Flood Light	409.93	92.73
26 56 36 00-0157 EA 70 Watt Metal Halide MFS Series Ruud Flood Light	409.93	92.73
26 56 36 00-0158 EA 100 Watt Metal Halide MFS Series Ruud Flood Light	409.93	92.73
26 56 36 00-0159 EA 175 Watt Metal Halide MFS Series Ruud Flood Light	397.27	92.73
26 56 36 00-0160 MCF/MPM/MPN (Mini Cutoff, Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights (26 56 36 00-0110)		
Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0161 High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights (26 56 36 00-0160)		
26 56 36 00-0162 EA 35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	406.48	92.73
26 56 36 00-0163 EA 50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0164 EA 70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0165 EA 100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73
26 56 36 00-0166 EA 150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	430.66	92.73

26	Electrical
26 50	Lighting
26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0167	Metal Halide MCF/MPM/MPN Series Ruud Flood Lights <small>(26 56 36 00-0160)</small>	
26 56 36 00-0168 EA 50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	438.71	92.73
26 56 36 00-0169 EA 70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	438.71	92.73
26 56 36 00-0170 EA 100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	438.71	92.73
26 56 36 00-0171 EA 175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	426.05	92.73
26 56 36 00-0172	CF (Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>	
Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 56 36 00-0173	High Pressure Sodium CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>	
26 56 36 00-0174 EA 250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	528.66	104.32
26 56 36 00-0175 EA 400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	540.18	104.32
26 56 36 00-0176 EA 1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	807.42	115.90
26 56 36 00-0177	Metal Halide CF Series Ruud Flood Lights <small>(26 56 36 00-0172)</small>	
26 56 36 00-0178 EA 175 Watt Metal Halide CF Series Ruud Flood Light.....	503.34	104.32
26 56 36 00-0179 EA 250 Watt Metal Halide CF Series Ruud Flood Light.....	505.64	104.32
26 56 36 00-0180 EA 400 Watt Metal Halide CF Series Ruud Flood Light.....	512.55	104.32
26 56 36 00-0181 EA 1,000 Watt Metal Halide CF Series Ruud Flood Light.....	731.44	115.90
26 56 36 00-0182	CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights <small>(26 56 36 00-0110)</small>	
Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 56 36 00-0183	High Pressure Sodium CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>	
26 56 36 00-0184 EA 400 High Pressure Sodium CN Series Ruud Flood Light.....	673.88	115.90
26 56 36 00-0185 EA 1,000 High Pressure Sodium CN Series Ruud Flood Light.....	793.61	115.90
26 56 36 00-0186	Metal Halide CN Series Ruud Flood Lights <small>(26 56 36 00-0182)</small>	
26 56 36 00-0187 EA 400 Watt Metal Halide CN Series Ruud Flood Light	646.25	115.90
26 56 36 00-0188 EA 1,000 Watt Metal Halide CN Series Ruud Flood Light	717.63	115.90
26 56 36 00-0189	PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights	
<small>(26 56 36 00-0110)</small>		
Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 56 36 00-0190	High Pressure Sodium PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>	
26 56 36 00-0191 EA 250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	544.78	104.32
26 56 36 00-0192 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	556.29	104.32
26 56 36 00-0193	Metal Halide PM/PN Series Ruud Flood Lights <small>(26 56 36 00-0189)</small>	
26 56 36 00-0194 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light	519.45	104.32
26 56 36 00-0195 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light	521.76	104.32
26 56 36 00-0196 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	528.66	104.32
26 56 36 00-0197 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	747.56	115.90
26 56 36 00-0198	Accessories For Ruud Flood Lighting <small>(26 56 36 00-0110)</small>	
26 56 36 00-0199 EA Wireguard For Ruud Flood Light.....	63.63	23.18
26 56 36 00-0200 EA Deep Baffle (Full Visor) For Ruud Flood Light	94.71	23.18
26 56 36 00-0201 EA Glare Guard (Upper Visor) For Ruud Flood Light	71.69	23.18
26 56 36 00-0202 EA Vandal Shield For Ruud Flood Light.....	83.20	23.18
26 56 36 00-0203 EA Pipe Mounting Bracket For Ruud Flood Light	178.23	69.54
26 56 36 00-0204 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	56.72	23.18
26 56 36 00-0205	Lumark Flood Lights <small>(26 56 36)</small>	
26 56 36 00-0206	QZ Wedge Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small>	
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0207 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	162.63	69.54
26 56 36 00-0208	LQL Series Quartz Lumark Flood Lights <small>(26 56 36 00-0205)</small>	
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 56 36 00-0209 EA 1,500 Watt LQL Series Quartz Lumark Flood Light	196.59	69.54
26 56 36 00-0210	Kim Lighting <small>(26 56 36)</small>	
26 56 36 00-0211	MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small>	
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0212	LED MicroFlood® Series Kim Lighting Flood Lights <small>(26 56 36 00-0211)</small>	
26 56 36 00-0213 EA 5 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	284.31	28.85
26 56 36 00-0214 EA 15 Watt LED MicroFlood® Series Kim Lighting Flood Light.....	348.18	28.85



Electrical	26	26
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0215 Scarab® Series Kim Lighting Flood Lights <small>(26 56 36 00-0210)</small> Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 56 36 00-0216 LED Scarab® Series Kim Lighting Accent Flood Lights <small>(26 56 36 00-0215)</small> Note: Spot or narrow style accent flood lights.		
26 56 36 00-0217 EA 6 Watt LED Scarab® Series Kim Lighting Accent Flood Light.....	426.75	28.85
26 56 36 00-0218 CREE® BetaLED® Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0219 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0220 EA 40 LEDs, 47 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	895.64	83.27
26 56 36 00-0221 EA 60 LEDs, 68 System Watts, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	983.68	87.89
26 56 36 00-0222 Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0223 EA 20 LEDs, 26 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	777.02	78.64
For 347-480 Volt, Add	53.70	
26 56 36 00-0224 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	982.66	83.27
For 347-480 Volt, Add	53.70	
26 56 36 00-0225 EA 60 LEDs, 68 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,187.13	87.89
For 347-480 Volt, Add	53.70	
26 56 36 00-0226 EA 80 LEDs, 90 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,471.56	92.52
For 347-480 Volt, Add	53.70	
26 56 36 00-0227 EA 100 LEDs, 111 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,676.03	97.14
For 347-480 Volt, Add	53.70	
26 56 36 00-0228 EA 120 LEDs, 132 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,881.67	101.77
For 347-480 Volt, Add	53.70	
26 56 36 00-0229 EA 140 LEDs, 157 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,149.65	106.39
For 347-480 Volt, Add	53.70	
26 56 36 00-0230 EA 160 LEDs, 179 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,355.29	111.02
For 347-480 Volt, Add	53.70	
26 56 36 00-0231 EA 200 LEDs, 221 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,765.41	120.27
For 347-480 Volt, Add	53.70	
26 56 36 00-0232 EA 240 LEDs, 264 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,166.27	124.89
For 347-480 Volt, Add	53.70	
26 56 36 00-0233 Adjustable Arm Mount, Round, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDR) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0234 EA 40 LEDs, 47 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,123.78	83.27
For 347-480 Volt, Add	53.70	
26 56 36 00-0235 EA 60 LEDs, 68 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,328.25	87.89
For 347-480 Volt, Add	53.70	
26 56 36 00-0236 EA 80 LEDs, 90 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,464.51	92.52
For 347-480 Volt, Add	53.70	
26 56 36 00-0237 EA 100 LEDs, 111 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,739.53	97.14
For 347-480 Volt, Add	53.70	
26 56 36 00-0238 EA 120 LEDs, 132 System Watts, Adjustable Arm Mount, Round, LED Flood Light (CREE® BetaLED® Edge® FLD-EDR).....	1,944.00	101.77
For 347-480 Volt, Add	53.70	
26 56 36 00-0239 Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO) <small>(26 56 36 00-0218)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0240	EA		120 LEDs, 267 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	1,463.52	101.77
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Bird Spikes, Add</i>	29.69	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For 480 Volt, Add</i>	55.73	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
26 56 36 00-0241	EA		240 LEDs, 533 System Watts, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,472.02	124.89
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For 5,000K Color Temperature, Add</i>	30.96	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Bird Spikes, Add</i>	43.71	
			<i>For Multi-Level, Add</i>	80.49	
			<i>For 1,000mA Driver, Add</i>	104.02	
			<i>For 480 Volt, Add</i>	111.45	
26 56 36 00-0242			Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) <small>(26 56 36 00-02 18)</small>		
			Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 36 00-0243	EA		112 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) (DLC Certified).....	866.68	101.77
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	23.18	
			<i>For Rotated Optics, Back Light Shield, Add</i>	23.18	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0244	EA		168 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) (DLC Certified)	925.20	101.77
			Note: Type III, IV or V medium optics only.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	23.18	
			<i>For Rotated Optics, Back Light Shield, Add</i>	23.18	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Type II Medium Or Type V Short Optics, Add</i>	71.52	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0245	EA		223 System Watts, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) (DLC Certified).....	1,186.01	124.89
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	12.38	
			<i>For Field Adjustable Output, Add</i>	18.58	
			<i>For Front Facing Optics, Back Light Shield, Add</i>	28.09	
			<i>For Rotated Optics, Back Light Shield, Add</i>	28.09	
			<i>For Fuse, Add</i>	37.15	
			<i>For 0 To 10 Volt Dimming, Add</i>	37.15	
			<i>For Multi-Level, Add</i>	80.49	
26 56 36 00-0246			PlanLED Flood Lights <small>(26 56 36)</small>		
26 56 36 00-0247			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 56 36 00-0246)</small>		
26 56 36 00-0248	EA		6,250 Lumens, 50 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	371.27	83.27
26 56 36 00-0249	EA		9,375 Lumens, 75 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	426.72	87.89
26 56 36 00-0250	EA		12,500 Lumens, 100 System Watts, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100).....	487.85	94.82
26 56 36 00-0251			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 56 36 00-0246)</small>		
26 56 36 00-0252	EA		21,000 Lumens, 200 System Watts, LED Sports Flood Light (PlanLED SUFA SF200).....	1,006.35	185.02
			<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
26 56 36 00-0253	EA		42,000 Lumens, 400 System Watts, LED Sports Flood Light (PlanLED SUFA SF400).....	1,583.85	185.02
			<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
26 56 36 00-0254	EA		84,000 Lumens, 800 System Watts, LED Sports Flood Light (PlanLED SUFA SF800).....	2,587.65	185.02
			<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
26 56 36 00-0255			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 56 36 00-0246)</small>		
26 56 36 00-0256	EA		26,000 Lumens, 200 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200).....	835.89	120.27
			<i>For 0 To 10 Volt Dimming, Add</i>	29.40	
			<i>For 347-480 Volt, Add</i>	29.40	



Electrical	26	
Lighting	26 50	26
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 36 00-0257 EA 39,000 Lumens, 300 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300).....	1,113.94	124.89
For 0 To 10 Volt Dimming, Add	29.40	
For 347-480 Volt, Add	57.75	
26 56 36 00-0258 EA 52,000 Lumens, 400 System Watts, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400).....	1,397.24	129.52
For 0 To 10 Volt Dimming, Add	29.40	
For 347-480 Volt, Add	57.75	
26 56 68 Exterior Athletic Lighting (26 56)		
26 56 68 00-0001 Sports Lighting System (26 56 68)		
Note: Musco.		
26 56 68 00-0002 Round Steel Tapered Poles (26 56 68 00-0001)		
Note: With Internal wiring harness.		
26 56 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,271.73	445.08
26 56 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	2,734.57	537.81
26 56 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,072.47	584.17
26 56 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	3,346.12	607.35
26 56 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,140.53	630.53
26 56 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	4,771.90	769.62
26 56 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,123.23	815.99
26 56 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	5,819.89	927.25
26 56 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	6,603.42	1,043.16
26 56 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,277.93	1,139.05
26 56 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	7,951.11	1,273.05
26 56 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	8,686.18	1,429.40
26 56 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve.....	9,792.71	1,719.74
26 56 68 00-0016 Steel Pole Brackets (26 56 68 00-0001)		
26 56 68 00-0017 EA Two Light Bracket.....	343.58	46.36
26 56 68 00-0018 EA Three Light Bracket.....	433.29	64.91
26 56 68 00-0019 EA Four Light Bracket.....	621.42	78.81
26 56 68 00-0020 EA Five Light Bracket.....	709.22	92.73
26 56 68 00-0021 EA Six Light Bracket.....	859.10	106.64
26 56 68 00-0022 EA Seven Light Bracket.....	983.64	120.54
26 56 68 00-0023 EA Eight Light Bracket.....	1,124.07	139.09
26 56 68 00-0024 EA Nine Light Bracket.....	1,269.31	153.00
26 56 68 00-0025 Light Fixtures (26 56 68 00-0001)		
26 56 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug.....	1,307.60	
For 1,500 Watt Metal Halide Lamp, Add	7.71	
26 56 68 00-0027 Electrical Component Enclosure (26 56 68 00-0001)		
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.		
26 56 68 00-0028 EA Electrical Component Enclosure For 2 Lights, Pole Mounted.....	533.92	53.49
26 56 68 00-0029 EA Electrical Component Enclosure For 3 Lights, Pole Mounted.....	802.14	82.30
26 56 68 00-0030 EA Electrical Component Enclosure For 4 Lights, Pole Mounted.....	919.49	102.86
26 56 68 00-0031 EA Electrical Component Enclosure For 5 Lights, Pole Mounted.....	1,186.76	115.21
26 56 68 00-0032 EA Electrical Component Enclosure For 6 Lights, Pole Mounted.....	1,332.58	123.44
26 56 68 00-0033 Accessories (26 56 68 00-0001)		
26 56 68 00-0034 EA Time Delay Kit (Musco®).....	596.17	164.86
26 56 68 00-0035 EA Remote Switch Box Push Button (Musco®).....	1,129.07	164.86
26 56 68 00-0036 EA Push Button Strobe Kit (Musco®).....	1,342.23	164.86
26 56 68 00-0037 EA Additional Control-Link Unit (Musco®).....	6,318.17	494.58
26 56 68 00-0038 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®).....	697.48	82.30
26 56 68 00-0039 EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®).....	862.07	164.58

END OF SECTION 26

26	26	Electrical
	26 50	Lighting
	26 56	Exterior Lighting



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications ⁽²⁷⁾

27 05 26 Grounding and Bonding for Communications Systems ^(27 05)

27 05 26 00-0001	EA	Lucent 489ACA1-025, 25 Pair Protector Panel, Including Terminations.....	569.78	84.24
27 05 26 00-0002	EA	Lucent 489ACA1-050, 50 Pair Protector Panel, Including Terminations.....	735.28	112.35
27 05 26 00-0003	EA	Lucent 489ACA1-100, 100 Pair Protector Panel, Including Terminations.....	1,090.20	168.49
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	6.91	1.23
27 05 26 00-0005	EA	ITE #ECGK Copper Ground Bus Bar.....	65.44	22.26
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	156.82	22.26
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	185.79	22.26
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap	42.13	4.13
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug	16.14	4.13
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug	17.09	4.13
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block	18.70	4.13

27 05 29 Hangers And Supports For Communications Systems ^(27 05)

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29)

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	5.88	2.06
		<i>For >50 To 100, Deduct</i>	-0.25	
		<i>For >100 To 250, Deduct</i>	-0.50	
		<i>For >250 To 500, Deduct</i>	-0.96	
		<i>For >500, Deduct</i>	-1.41	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
		<i>For Painted Powder Coated Finish, Add</i>	0.36	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	6.16	2.06
		<i>For >50 To 100, Deduct</i>	-0.26	
		<i>For >100 To 250, Deduct</i>	-0.51	
		<i>For >250 To 500, Deduct</i>	-0.98	
		<i>For >500, Deduct</i>	-1.44	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
		<i>For Painted Powder Coated Finish, Add</i>	1.25	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.45	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	6.58	2.06
		<i>For >50 To 100, Deduct</i>	-0.27	
		<i>For >100 To 250, Deduct</i>	-0.54	
		<i>For >250 To 500, Deduct</i>	-1.01	
		<i>For >500, Deduct</i>	-1.48	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
		<i>For Painted Powder Coated Finish, Add</i>	1.53	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	5.53	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	10.22	2.06
		<i>For >50 To 100, Deduct</i>	-0.36	
		<i>For >100 To 250, Deduct</i>	-0.72	
		<i>For >250 To 500, Deduct</i>	-1.28	
		<i>For >500, Deduct</i>	-1.85	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
		<i>For Painted Powder Coated Finish, Add</i>	0.82	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	4.90	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) ^(27 05 29 00-0001)

Note: Includes screw.

27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	6.52	2.06
		<i>For >50 To 100, Deduct</i>	-0.27	
		<i>For >100 To 250, Deduct</i>	-0.53	
		<i>For >250 To 500, Deduct</i>	-1.01	
		<i>For >500, Deduct</i>	-1.48	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
		<i>For Work In Restricted Working Space, Add</i>	1.24	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	8.16	2.06
			<i>For >50 To 100, Deduct</i>	-0.31	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.13	
			<i>For >500, Deduct</i>	-1.64	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	8.96	2.06
			<i>For >50 To 100, Deduct</i>	-0.33	
			<i>For >100 To 250, Deduct</i>	-0.65	
			<i>For >250 To 500, Deduct</i>	-1.19	
			<i>For >500, Deduct</i>	-1.72	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	11.82	2.06
			<i>For >50 To 100, Deduct</i>	-0.40	
			<i>For >100 To 250, Deduct</i>	-0.80	
			<i>For >250 To 500, Deduct</i>	-1.40	
			<i>For >500, Deduct</i>	-2.01	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.13	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0012			Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	6.83	2.06
			<i>For >50 To 100, Deduct</i>	-0.27	
			<i>For >100 To 250, Deduct</i>	-0.55	
			<i>For >250 To 500, Deduct</i>	-1.03	
			<i>For >500, Deduct</i>	-1.51	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	7.92	2.06
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.60	
			<i>For >250 To 500, Deduct</i>	-1.11	
			<i>For >500, Deduct</i>	-1.62	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	8.49	2.06
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 250, Deduct</i>	-0.63	
			<i>For >250 To 500, Deduct</i>	-1.15	
			<i>For >500, Deduct</i>	-1.68	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	11.19	2.06
			<i>For >50 To 100, Deduct</i>	-0.38	
			<i>For >100 To 250, Deduct</i>	-0.77	
			<i>For >250 To 500, Deduct</i>	-1.36	
			<i>For >500, Deduct</i>	-1.95	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0017			T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
			Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	8.03	2.06
			<i>For >50 To 100, Deduct</i>	-0.30	
			<i>For >100 To 250, Deduct</i>	-0.61	
			<i>For >250 To 500, Deduct</i>	-1.12	
			<i>For >500, Deduct</i>	-1.63	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	9.87	2.06
			<i>For >50 To 100, Deduct</i>	-0.35	
			<i>For >100 To 250, Deduct</i>	-0.70	
			<i>For >250 To 500, Deduct</i>	-1.26	
			<i>For >500, Deduct</i>	-1.81	
			<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0020	EA		2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	10.36	2.06
			<i>For >50 To 100, Deduct</i>	-0.36	
			<i>For >100 To 250, Deduct</i>	-0.72	
			<i>For >250 To 500, Deduct</i>	-1.29	
			<i>For >500, Deduct</i>	-1.86	
			<i>For Work In Restricted Working Space, Add</i>	1.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
<small>Note: Excludes threaded rod. See CSI section 26 05 29 00-0285 for threaded rod.</small>		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	6.68	2.06
<i>For >50 To 100, Deduct</i>	-0.27	
<i>For >100 To 250, Deduct</i>	-0.54	
<i>For >250 To 500, Deduct</i>	-1.02	
<i>For >500, Deduct</i>	-1.49	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	6.93	2.06
<i>For >50 To 100, Deduct</i>	-0.28	
<i>For >100 To 250, Deduct</i>	-0.55	
<i>For >250 To 500, Deduct</i>	-1.04	
<i>For >500, Deduct</i>	-1.52	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	8.21	2.06
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.62	
<i>For >250 To 500, Deduct</i>	-1.13	
<i>For >500, Deduct</i>	-1.65	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
<small>Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0285 for threaded rod, nuts and washers.</small>		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	8.07	2.06
<i>For >50 To 100, Deduct</i>	-0.31	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.12	
<i>For >500, Deduct</i>	-1.63	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	8.67	2.06
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 250, Deduct</i>	-0.64	
<i>For >250 To 500, Deduct</i>	-1.17	
<i>For >500, Deduct</i>	-1.69	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	11.65	2.06
<i>For >50 To 100, Deduct</i>	-0.39	
<i>For >100 To 250, Deduct</i>	-0.79	
<i>For >250 To 500, Deduct</i>	-1.39	
<i>For >500, Deduct</i>	-1.99	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	7.98	2.06
<i>For >50 To 100, Deduct</i>	-0.30	
<i>For >100 To 250, Deduct</i>	-0.61	
<i>For >250 To 500, Deduct</i>	-1.11	
<i>For >500, Deduct</i>	-1.62	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	9.05	2.06
<i>For >50 To 100, Deduct</i>	-0.33	
<i>For >100 To 250, Deduct</i>	-0.66	
<i>For >250 To 500, Deduct</i>	-1.20	
<i>For >500, Deduct</i>	-1.73	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	9.62	2.06
<i>For >50 To 100, Deduct</i>	-0.34	
<i>For >100 To 250, Deduct</i>	-0.69	
<i>For >250 To 500, Deduct</i>	-1.24	
<i>For >500, Deduct</i>	-1.79	
<i>For Work In Restricted Working Space, Add</i>	1.24	
27 05 29 00-0033 EA 4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	12.73	2.06
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 250, Deduct</i>	-0.84	
<i>For >250 To 500, Deduct</i>	-1.47	
<i>For >500, Deduct</i>	-2.10	
<i>For Work In Restricted Working Space, Add</i>	1.24	

27 Communications**27 05 Common Work Results for Communications****27 05 29 Hangers And Supports For Communications Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) ^(27 05 29)		
27 05 29 00-0035 EA Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	21.92	2.72
For >50 To 100, Deduct	-0.75	
For >100 To 250, Deduct	-1.51	
For >250 To 500, Deduct	-2.67	
For >500, Deduct	-3.84	
For Installation On Concrete (Includes Drilling And Fastener), Add	2.16	
For Work In Restricted Working Space, Add	2.47	
27 05 29 00-0036 EA Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.32	2.72
For >50 To 100, Deduct	-0.76	
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.70	
For >500, Deduct	-3.88	
For Work In Restricted Working Space, Add	2.47	
27 05 29 00-0037 EA Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	24.40	2.72
For >50 To 100, Deduct	-0.82	
For >100 To 250, Deduct	-1.63	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-4.09	
For Work In Restricted Working Space, Add	2.47	
27 05 29 00-0038 EA >1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	21.85	2.72
For >50 To 100, Deduct	-0.75	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.67	
For >500, Deduct	-3.83	
For Work In Restricted Working Space, Add	2.47	
27 05 29 00-0039 EA Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.82	2.72
For >50 To 100, Deduct	-0.78	
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-2.74	
For >500, Deduct	-3.93	
For Work In Restricted Working Space, Add	2.47	
27 05 29 00-0040 EA >1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	23.77	2.72
For >50 To 100, Deduct	-0.80	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-4.02	
For Work In Restricted Working Space, Add	2.47	
27 05 29 00-0041 EA Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	22.49	2.72
For >50 To 100, Deduct	-0.77	
For >100 To 250, Deduct	-1.54	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.90	
For Work In Restricted Working Space, Add	2.47	
27 05 33 Conduits And Backboxes For Communications Systems ^(27 05)		
See CSI section 26 05 33 00-0000 for conduit and boxes.		
27 05 39 Surface Raceways For Communications Systems ^(27 05)		
See CSI section 26 05 33 00-0000 for surface raceways.		
27 05 43 Underground Ducts And Raceways For Communications Systems ^(27 05)		
See CSI section 26 05 43 00-0000 for underground ducts and raceways.		
27 05 46 Utility Poles For Communications Systems ^(27 05)		
See CSI section 26 05 46 00-0000 for utility poles.		
27 05 53 Identification For Communications Systems ^(27 05)		
See CSI section 26 05 53 00-0000 for identification.		
27 10 Structured Cabling ⁽²⁷⁾		
27 11 Communications Equipment Room Fittings ^(27 10)		
27 11 16 Communications Cabinets, Racks, Frames, And Enclosures ^(27 11)		
27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards ^(27 11 16)		
27 11 16 00-0002 EA 4' x 4' x 3/4" Fire Retardant Plywood Phone Backboard.....	62.66	21.40
For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	37.67	
27 11 16 00-0003 EA 4' x 8' x 3/4" Fire Retardant Plywood Phone Backboard.....	125.32	42.80
For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	75.34	
27 11 16 00-0004 Terminal Cabinets ^(27 11 16)		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	224.94	61.72
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	280.78	67.89



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	323.10	78.18
				27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	335.16	80.23
				27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	404.55	82.30
				27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	497.72	92.58
				27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	508.09	90.52
				27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	656.86	128.95
				27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	703.95	141.71
				27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	843.26	149.69
				27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	696.39	123.44
				27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	753.20	133.72
				27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	940.62	171.42
				27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,132.32	214.29
				27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,273.60	211.90
				27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,467.69	257.82
				27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)		
				27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)		
				Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
				27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)		
				27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)		
				27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	414.23	131.67
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	7.55	
				27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	577.57	139.90
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	14.89	
				27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	624.11	148.12
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	16.39	
				27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0028)		
				27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)		
				27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)		
				27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	542.48	115.21
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	15.60	
				27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	593.34	117.26
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.94	
				27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	592.43	119.32
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.69	
				27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	607.71	121.38
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.25	
				27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	622.83	123.44
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.80	
				27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	639.21	125.49
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.41	
				27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	543.30	127.56
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	14.41	
				27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	671.01	129.61
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.59	
				27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	694.92	131.67
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.58	
				27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	715.79	133.72
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.42	
				27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	720.74	135.79
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.46	
				27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)		
				27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31).....	574.50	115.21
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	17.20	
				27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20).....	594.53	117.26
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.00	
				27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19).....	612.15	119.32
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	18.68	
				27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00).....	645.21	121.38
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.12	
				27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01).....	661.44	123.44
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.73	
				27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02).....	679.09	125.49
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.40	
				27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03).....	583.65	127.56
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	16.43	
				27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05).....	713.34	129.61
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.71	
				27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15).....	739.25	131.67
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.80	
				27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17).....	761.87	133.72
				For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.72	

27	Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	766.90 24.77	135.79
27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	715.72 23.44	123.44
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	753.86 24.94	127.56
27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	573.69 17.16	115.21
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	620.66 19.31	117.26
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	630.15 19.58	119.32
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	644.23 20.07	121.38
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	660.41 20.68	123.44
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	678.02 21.35	125.49
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	694.92 21.99	127.56
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	712.21 22.65	129.61
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	738.09 23.74	131.67
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	760.65 24.66	133.72
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	765.62 24.70	135.79
27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	608.94 18.93	115.21
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	668.47 21.70	117.26
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	676.95 21.92	119.32
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	685.45 22.13	121.38
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	702.88 22.80	123.44
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	721.91 23.55	125.49
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	740.10 24.25	127.56
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	758.74 24.98	129.61
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	786.83 26.18	131.67
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	811.32 27.19	133.72
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	816.51 27.25	135.79
27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)		
27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,161.39 37.50	205.73
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,268.86 42.05	213.96
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,370.21 46.29	222.19
27 11 16 00-0087 4-Post Server Frame (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,194.38 39.15	205.73
27 11 16 00-0089 Cable Managers (27 11 16 00-0021)		
27 11 16 00-0090 Horizontal Cable Managers (27 11 16 00-0089)		



	MINOR	CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0091			Single-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
		EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	67.50	8.23
		EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	75.24	8.23
		EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	56.24	8.23
		EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	68.66	8.23
		EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	80.65	8.23
		EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	62.36	8.23
		EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	92.81	8.23
		EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	105.74	8.23
		EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	74.60	8.23
27 11 16 00-0101			Double-Sided, Horizontal Cable Managers (27 11 16 00-0090)		
		EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	84.00	8.23
		EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	94.20	8.23
		EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	88.42	8.23
		EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	103.03	8.23
		EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	114.61	8.23
		EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	128.43	8.23
27 11 16 00-0108			Vertical Cable Managers (27 11 16 00-0089)		
27 11 16 00-0109			Single-Sided, Vertical Cable Managers (27 11 16 00-0108)		
		EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	151.68	12.35
		EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	214.41	12.35
		EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	345.99	12.35
		EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	391.89	12.35
		EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	162.39	12.35
		EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	231.24	12.35
		EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	376.59	12.35
		EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	422.49	12.35
		EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	183.81	12.35
		EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	254.19	12.35
		EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	422.49	12.35
		EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	468.39	12.35
27 11 16 00-0122			Double-Sided, Vertical Cable Managers (27 11 16 00-0108)		
		EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	220.53	12.35
		EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	260.31	12.35
		EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	422.49	12.35
		EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	498.99	12.35
		EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	238.89	12.35
		EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	278.67	12.35
		EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	453.09	12.35
		EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	529.59	12.35
		EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	263.37	12.35
		EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	303.15	12.35
		EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	498.99	12.35
		EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	575.49	12.35
27 11 16 00-0135			Accessories For Vertical Cable Managers (27 11 16 00-0108)		
		EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	92.96	8.23
		EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	99.08	8.23
		EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	105.20	8.23
		EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	96.02	8.23
		EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	105.20	8.23
		EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	114.38	8.23
		EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	108.26	8.23
		EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	117.44	8.23
		EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	126.62	8.23
		EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	114.38	8.23
		EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	126.62	8.23
		EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	135.80	8.23
		EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	77.66	8.23
		EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	89.90	8.23
		EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	94.03	8.23
		EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	59.30	8.23
27 11 19			Communications Termination Blocks And Patch Panels (27 11)		
			Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 27 14 43 00-0074 for labeling.		
27 11 19 00-0001			Computer Network Components (27 11 19)		
27 11 19 00-0002			Ethernet Patch Panels (27 11 19 00-0001)		
		EA	12 Port, Category 5E Patch Panel	172.57	41.14
		EA	24 Port, Category 5E Patch Panel	249.59	41.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0005 EA 32 Port, Category 5E Patch Panel	322.46	41.14
27 11 19 00-0006 EA 48 Port, Category 5E Patch Panel	390.37	41.14
27 11 19 00-0007 EA 64 Port, Category 5E Patch Panel	539.27	51.44
27 11 19 00-0008 EA 96 Port, Category 5E Patch Panel	716.40	61.72
27 11 19 00-0009 EA 12 Port, Category 6 Patch Panel.....	206.52	41.14
27 11 19 00-0010 EA 24 Port, Category 6 Patch Panel.....	254.56	41.14
27 11 19 00-0011 EA 48 Port, Category 6 Patch Panel.....	426.81	41.14
27 11 19 00-0012 EA 96 Port, Category 6 Patch Panel.....	785.96	61.72
27 11 19 00-0013 EA Up To 5 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications	29.16	
27 11 19 00-0014 EA >5 To 10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	24.29	
27 11 19 00-0015 EA >10 Cables, Terminate One End Of A 4 Pair Cable To Category "X" Specifications.....	14.58	
27 11 19 00-0016 EA Up To 20 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	8.02	
27 11 19 00-0017 EA >20 To 40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	6.69	
27 11 19 00-0018 EA >40 Pairs, Terminate One End Of A Twisted Pair Of Wires.....	4.01	
27 11 19 00-0019 Fiber Optic Cable Patch Panels And Enclosures <small>(27 11 19 00-0001)</small>		
27 11 19 00-0020 Fiber Optic Cable Connector Housings <small>(27 11 19 00-0019)</small>		
27 11 19 00-0021 Wall Mount, Fiber Optic Cable Connector Housings <small>(27 11 19 00-0020)</small> Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0022 EA 1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	92.37	18.51
27 11 19 00-0023 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	135.44	18.51
27 11 19 00-0024 EA 4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	199.16	18.51
27 11 19 00-0025 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	294.81	30.86
27 11 19 00-0026 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	408.26	30.86
27 11 19 00-0027 Rack Mount, Fiber Optic Cable Connector Housings <small>(27 11 19 00-0020)</small> Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0028 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	306.44	30.86
27 11 19 00-0029 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	349.69	30.86
27 11 19 00-0030 EA 6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	376.15	30.86
27 11 19 00-0031 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	440.08	30.86
27 11 19 00-0032 Rack Mount, Fiber Optic Cable Pretium® Connector Housings <small>(27 11 19 00-0020)</small> Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0033 EA 2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	380.57	30.86
<i>For Splice Tray Bracket, Add</i>	40.02	
27 11 19 00-0034 EA 4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	444.91	30.86
<i>For Splice Tray Bracket, Add</i>	43.76	
27 11 19 00-0035 EA 12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	553.35	30.86
<i>For Splice Tray Bracket, Add</i>	159.42	
27 11 19 00-0036 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings <small>(27 11 19 00-0020)</small> Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0037 EA 8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	481.54	30.86
27 11 19 00-0038 EA 12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	614.22	30.86
27 11 19 00-0039 EA 24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	694.65	30.86
27 11 19 00-0040 EA 48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing.....	899.77	30.86
27 11 19 00-0041 Wall Mount, Fiber Optic Cable Industrial Connector Housings <small>(27 11 19 00-0020)</small> Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0042 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	428.35	18.51
27 11 19 00-0043 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	593.44	30.86
27 11 19 00-0044 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing.....	622.49	30.86
27 11 19 00-0045 Wall Mount, Fiber Optic Cable Environmental Connector Housings <small>(27 11 19 00-0020)</small> Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0049 for connector panels.		
27 11 19 00-0046 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	448.43	18.51
27 11 19 00-0047 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	593.09	30.86
27 11 19 00-0048 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing.....	695.86	30.86
27 11 19 00-0049 Fiber Optic Cable Connector Panels <small>(27 11 19 00-0019)</small>		
27 11 19 00-0050 SC Simplex, Fiber Optic Cable Connector Panels <small>(27 11 19 00-0049)</small>		
27 11 19 00-0051 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	59.23	4.12
27 11 19 00-0052 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	64.22	4.12
27 11 19 00-0053 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	71.95	4.12
27 11 19 00-0054 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel.....	78.60	4.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0055 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	97.42	4.12
27 11 19 00-0056 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	107.36	4.12
27 11 19 00-0057 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0058 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	57.02	4.12
27 11 19 00-0059 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	58.19	4.12
27 11 19 00-0060 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	69.03	4.12
27 11 19 00-0061 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	70.59	4.12
27 11 19 00-0062 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	93.04	4.12
27 11 19 00-0063 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	95.36	4.12
27 11 19 00-0064 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0065 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	61.52	4.12
27 11 19 00-0066 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	67.40	4.12
27 11 19 00-0067 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	75.01	4.12
27 11 19 00-0068 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	82.85	4.12
27 11 19 00-0069 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	102.01	4.12
27 11 19 00-0070 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	113.75	4.12
27 11 19 00-0071 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	129.01	4.12
27 11 19 00-0072 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	144.65	4.12
27 11 19 00-0073 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	182.98	4.12
27 11 19 00-0074 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	188.43	4.12
27 11 19 00-0075 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0076 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	49.36	4.12
27 11 19 00-0077 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	53.13	4.12
27 11 19 00-0078 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	58.80	4.12
27 11 19 00-0079 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	63.83	4.12
27 11 19 00-0080 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	77.67	4.12
27 11 19 00-0081 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	85.22	4.12
27 11 19 00-0082 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0049)		
27 11 19 00-0083 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	61.17	4.12
27 11 19 00-0084 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	91.16	4.12
27 11 19 00-0085 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0049)		
27 11 19 00-0086 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	521.13	4.12
27 11 19 00-0087 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	522.94	4.12
27 11 19 00-0088 Fiber Optic Cable Splice Housings (27 11 19 00-0019)		
27 11 19 00-0089 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0090 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	215.91	41.14
27 11 19 00-0091 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0088)		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0092 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	317.67	30.86
27 11 19 00-0093 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	322.36	30.86
27 11 19 00-0094 Fiber Optic Cable Splice Trays (27 11 19 00-0088)		
27 11 19 00-0095 EA Fiber Optic Cable Splice Tray.....	61.46	10.28
27 11 19 00-0096 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0019)		
Note: Includes mounting hardware.		
27 11 19 00-0097 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	121.46	30.86
27 11 19 00-0098 Miscellaneous Accessories (27 11 19 00-0001)		
27 11 19 00-0099 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	44.81	
27 11 19 00-0100 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	59.43	
27 11 19 00-0101 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	65.06	
27 11 19 00-0102 EA Wall Mount Bracket For 96 Port Patch Panel.....	72.57	
27 11 19 00-0103 EA Lightning Protection Plus Stainless Steel Modules, Simon.....	285.37	41.14
27 11 19 00-0104 Telephone Components (27 11 19)		
27 11 19 00-0105 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0104)		
27 11 19 00-0106 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	22.54	8.24
27 11 19 00-0107 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amp With Wire Range 22-8 AWG.....	39.20	8.24

27	27 Communications
27 10	Structured Cabling
27 11	Communications Equipment Room Fittings



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 11 19 00-0108	EA Terminal Block, Fuse Holder 600 Volt, 10 Amp With Wire Range 22-8 AWG.....	32.38	8.24
27 11 19 00-0109	EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	18.00	8.24
27 11 19 00-0110	EA Flat Terminal Block Connection With Wire Range 22-8 AWG.....	12.81	5.77
27 11 19 00-0111	EA Ground Terminal Block With Wire Range 22-8 AWG.....	23.26	8.24
27 11 19 00-0112	EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amp With Wire Range 22-8 AWG.....	18.00	8.24
27 11 19 00-0113	EA Terminal Block, Mini Box Lug 300 Volt, 30 Amp With Wire Range 22-8 AWG.....	12.70	5.77
27 11 19 00-0114	EA Flat Terminal Block Connection 300 Volt, 20 Amp With Wire Range 22-8 AWG.....	12.63	5.77
27 11 19 00-0115	EA Self Lifting Terminal Block, 300 Volt, 40 Amp Wire Connection With Wire Range 22-12 AWG.....	12.96	5.77
27 11 19 00-0116	Terminal Block Mounting Channel (27 11 19 00-0104)		
27 11 19 00-0117	EA Terminal Block Mounting Channel, .5 M Galvanized Steel.....	11.79	4.13
27 11 19 00-0118	EA Terminal Block Mounting Channel, 1 M Galvanized Steel.....	14.69	4.13
27 11 19 00-0119	EA Terminal Block Mounting Channel, 2 M Galvanized Steel.....	19.74	4.13
27 11 19 00-0120	EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	14.81	4.95
27 11 19 00-0121	EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	19.60	4.95
27 11 19 00-0122	EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	27.38	4.95
27 11 19 00-0123	Outlet Termination Hardware (27 11 19 00-0104)		
27 11 19 00-0124	EA Telephone Outlet Blocks.....	20.82	4.13
27 11 19 00-0125	EA Phone Outlet Block For Floor Box..... Note: Excludes box.	67.74	31.27
27 11 19 00-0126	EA Fiber Optic "SC" Type Modular Bulkhead.....	55.09	18.51
27 11 19 00-0127	EA Fiber Optic "ST" Type Modular Bulkhead.....	55.09	18.51
27 11 19 00-0128	EA Type "F" Coaxial Connector Male.....	32.97	12.35
27 11 19 00-0129	EA Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	79.52	20.58
27 11 19 00-0130	EA Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	79.52	20.58
27 11 19 00-0131	EA Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	93.82	20.58
27 11 19 00-0132	EA Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	93.82	20.58
27 11 19 00-0133	EA Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	86.30	20.58
27 11 19 00-0134	EA Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	711.48	102.86
27 11 19 00-0135	EA Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V..... Note: Excludes cable terminations.	37.87	8.23
27 11 19 00-0136	EA Connecting Block, 5-Pair.....	2.36	0.82
27 11 19 00-0137	EA Connecting Block, 4-Pair.....	2.30	0.82
27 11 19 00-0138	EA Plastic Label Holder, Transparent.....	9.66	2.05
27 11 19 00-0139	EA Marked Label, White, 5-Pair.....	2.71	
27 11 19 00-0140	EA Marked Label, Blue, 4-Pair.....	2.71	
27 11 19 00-0141	Terminations in Manhole or Junction Box (27 11 19 00-0104)		
27 11 19 00-0142	EA 25 Pair Cable Termination In Manhole Or Junction Box.....	131.67	
27 11 19 00-0143	EA 50 Pair Cable Termination In Manhole Or Junction Box.....	263.33	
27 11 19 00-0144	EA 100 Pair Cable Termination In Manhole Or Junction Box.....	526.67	
27 11 19 00-0145	EA 150 Pair Cable Termination In Manhole Or Junction Box.....	790.00	
27 11 19 00-0146	EA 200 Pair Cable Termination In Manhole Or Junction Box.....	924.14	
27 11 19 00-0147	EA 300 Pair Cable Termination In Manhole Or Junction Box.....	1,385.80	
27 11 19 00-0148	EA 400 Pair Cable Termination In Manhole Or Junction Box.....	1,742.95	
27 11 19 00-0149	EA 500 Pair Cable Termination In Manhole Or Junction Box.....	2,179.09	
27 11 19 00-0150	EA 750 Pair Cable Termination In Manhole Or Junction Box.....	3,268.63	
27 11 19 00-0151	EA 1,000 Pair Cable Termination In Manhole Or Junction Box.....	3,963.97	
27 11 19 00-0152	EA 1,200 Pair Cable Termination In Manhole Or Junction Box.....	4,517.87	
27 11 23	Communications Cable Management and Ladder Rack (27 11)		
27 11 23 00-0001	Equipment Supports (27 11 23)		
27 11 23 00-0002	EA Environmental Enclosure, NEMA 4x SS, 6' Free Standing.....	15,456.01	648.44
27 11 23 00-0003	EA DVR Enclosure.....	1,143.59	162.10
27 11 23 00-0004	EA Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	4,091.69	324.19
27 11 23 00-0005	EA Panel, NEMA 12/27.00x21.00.....	323.56	81.05
27 11 23 00-0006	EA Panel, NEMA 12/8.75x6.88.....	96.77	81.05
27 11 23 00-0007	EA Clamp Assembly, Fast Opening, Stainless Steel Type 304.....	121.94	81.05
27 11 23 00-0008	EA Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	3,524.35	81.05
27 11 23 00-0009	EA 12" x 5'-11" Tubular Runway.....	71.76	19.75
27 11 23 00-0010	EA 12" x 9'-11" Tubular Runway.....	123.84	32.91
27 11 23 00-0011	EA Shelf Bracket Support For Tubular Runway.....	22.81	6.17
27 11 23 00-0012	EA Straight Clamp Hardware For Tubular Runway.....	10.39	4.12
27 11 23 00-0013	EA Corner Clamp Hardware For Tubular Runway.....	10.93	4.12
27 11 23 00-0014	EA 90 Degree Edge Clamp Hardware For Tubular Runway.....	24.19	7.41
27 11 23 00-0015	EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	50.04	12.35
27 11 23 00-0016	EA J-Bolt Hardware For Tubular Runway.....	9.61	1.81
27 11 23 00-0017	EA T Bracket Hardware For Tubular Runway.....	26.51	10.28
27 11 23 00-0018	EA 110 Jumper Trough (Commscope 107831133).....	23.74	4.12
27 11 23 00-0019	LF Velcro CMP.....	1.98	0.82
27 14	Communications Cabling (27 10)		
27 14 13	Communications Copper Cabling (27 14)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 13 Communications Copper Cable Splicing and Terminations (27 14 13)					
27 14 13 13-0001 Building Entrance Terminals (27 14 13 13)					
27 14 13 13-0002	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,364.51	180.56
27 14 13 13-0003	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	1,860.14	300.93
27 14 13 13-0004	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,672.61	481.87
27 14 13 13-0005 Modular Plugs For Copper Communications Cable (27 14 13 13)					
27 14 13 13-0006	EA		Modular Plug For Non-Shielded Copper Communications Cable.....	18.52	
			Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
			For >5 To 10, Deduct	-2.46	
			For >10, Deduct	-4.93	
27 14 13 13-0007	EA		Modular Plug For Shielded Copper Communications Cable.....	21.01	
			Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
			For >5 To 10, Deduct	-2.77	
			For >10, Deduct	-5.54	
27 14 13 13-0008 Testing And Certification Of Copper Communications Cable (27 14 13 13)					
			Note: Use for existing systems.		
27 14 13 13-0009	PR		Test 1-Pair Of A Copper Communications Cable For Continuity.....	4.12	
			For >25-Pair, Deduct	-1.64	
27 14 13 13-0010	PR		Certify 1-Pair Of A Copper Communications Cable.....	6.17	
			For >25-Pair, Deduct	-2.46	
27 14 13 13-0011	PR		Certify And Document 1-Pair Of A Copper Communications Cable.....	9.87	
			For >25-Pair, Deduct	-3.94	
27 14 13 13-0012	PR		Test 4-Pair Cat 5-7 Telecommunications Cable For Continuity.....	16.46	
			For >25-Pair, Deduct	-6.57	
27 14 13 13-0013	PR		Certify 4-Pair Cat 5-7 Telecommunications Cable.....	24.69	
			For >25-Pair, Deduct	-9.85	
27 14 13 13-0014	PR		Certify And Document 4-Pair Cat 5-7 Telecommunications Cable.....	39.50	
			For >25-Pair, Deduct	-15.76	
27 14 13 13-0015 Communications Termination Blocks (27 14 13 13)					
27 14 13 13-0016	EA		100-Pair, 110 Block With Legs.....	36.15	10.28
27 14 13 13-0017	EA		300-Pair, 110 Block With Legs.....	57.21	10.28
27 14 13 13-0018	EA		Clear Label Holder For 110 Wiring Block.....	10.38	4.12
27 14 13 13-0019	EA		4-Pair, 110C Connecting Block.....	4.77	2.05
27 14 13 13-0020	EA		5-Pair, 110C Connecting Block.....	4.87	2.05
27 14 13 13-0021	EA		100-Pair, 110 Jack Panel System.....	164.55	12.35
			Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 13-0022	EA		300-Pair, 110 Jack Panel System.....	420.27	12.35
			Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 14 13 16 Communications Copper Cabling (27 14 13)					
27 14 13 16-0001 Solid Conductor Low Voltage Cable (27 14 13 16)					
27 14 13 16-0002 Shielded, Low Voltage Cable, Pulled In Conduit (27 14 13 16-0001)					
27 14 13 16-0003 #12 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)					
27 14 13 16-0004	MLF		1 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	1,725.95	744.81
			For #10 AWG, Add	408.18	
			For Installation On Exposed Surface, Deduct	-248.29	
27 14 13 16-0005	MLF		2 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,179.68	771.14
			For #10 AWG, Add	552.17	
			For Installation On Exposed Surface, Deduct	-257.12	
27 14 13 16-0006	MLF		3 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,575.62	798.23
			For #10 AWG, Add	677.06	
			For Installation On Exposed Surface, Deduct	-266.00	
27 14 13 16-0007	MLF		4 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	2,995.22	825.31
			For #10 AWG, Add	809.55	
			For Installation On Exposed Surface, Deduct	-275.18	
27 14 13 16-0008	MLF		5 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,439.57	880.98
			For #10 AWG, Add	944.12	
			For Installation On Exposed Surface, Deduct	-293.75	
27 14 13 16-0009	MLF		6 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	3,842.82	935.90
			For #10 AWG, Add	1,065.30	
			For Installation On Exposed Surface, Deduct	-312.05	
27 14 13 16-0010	MLF		8 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	4,148.77	1,047.24
			For #10 AWG, Add	1,142.23	
			For Installation On Exposed Surface, Deduct	-349.02	
27 14 13 16-0011	MLF		12 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	5,505.35	1,380.52
			For #10 AWG, Add	1,517.71	
			For Installation On Exposed Surface, Deduct	-460.09	
27 14 13 16-0012	MLF		24 Pair #12 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable.....	8,204.52	2,038.82
			For #10 AWG, Add	2,265.86	
			For Installation On Exposed Surface, Deduct	-679.43	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0013 #14 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0014 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,548.54 -217.12	651.52
27 14 13 16-0015 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,978.99 -224.95	674.84
27 14 13 16-0016 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,354.01 -232.77	698.17
27 14 13 16-0017 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,750.92 -240.75	722.24
27 14 13 16-0018 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,168.06 -257.00	771.14
27 14 13 16-0019 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,545.65 -272.94	819.29
27 14 13 16-0020 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,823.87 -305.45	916.34
27 14 13 16-0021 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,074.67 -402.50	1,207.49
27 14 13 16-0022 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	7,566.49 -594.64	1,783.78
27 14 13 16-0023 #16 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0024 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,377.40 -193.95	581.55
27 14 13 16-0025 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,658.50 -200.87	602.62
27 14 13 16-0026 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,087.02 -207.79	623.68
27 14 13 16-0027 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,437.54 -215.02	644.75
27 14 13 16-0028 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,805.54 -229.46	688.38
27 14 13 16-0029 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,139.30 -243.75	731.26
27 14 13 16-0030 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,262.48 -258.20	774.90
27 14 13 16-0031 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,386.39 -272.79	818.54
27 14 13 16-0032 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,809.99 -290.10	870.44
27 14 13 16-0033 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	4,493.51 -359.39	1,078.09
27 14 13 16-0034 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	6,699.45 -530.92	1,592.68
27 14 13 16-0035 #18 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0036 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,140.98 -170.63	512.34
27 14 13 16-0037 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,415.15 -176.80	530.39
27 14 13 16-0038 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,654.86 -182.97	548.45
27 14 13 16-0039 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,907.70 -189.14	567.26
27 14 13 16-0040 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,180.49 -201.92	605.63
27 14 13 16-0041 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,428.90 -214.57	643.24
27 14 13 16-0042 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,627.99 -239.99	719.98
27 14 13 16-0043 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	3,485.41 -316.28	948.69
27 14 13 16-0044 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	5,192.02 -467.20	1,401.59
27 14 13 16-0045 #20 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0046 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	996.86 -155.13	465.70
27 14 13 16-0047 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,212.89 -160.70	482.25
27 14 13 16-0048 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,400.01 -166.26	499.17
27 14 13 16-0049 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,597.18 -171.98	516.10
27 14 13 16-0050 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	1,817.25 -183.49	550.71
27 14 13 16-0051 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,017.13 -195.00	585.31
27 14 13 16-0052 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable..... <i>For Installation On Exposed Surface, Deduct</i>	2,204.25 -218.18	654.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0053 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	2,900.91 -287.54	862.92
27 14 13 16-0054 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	4,318.64 -424.77	1,274.45
27 14 13 16-0055 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	4,616.73 -434.85	1,304.54
27 14 13 16-0056 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	5,524.52 -506.32	1,518.95
27 14 13 16-0057 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	5,929.85 -541.98	1,625.79
27 14 13 16-0058 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	7,032.77 -677.24	2,032.05
27 14 13 16-0059 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	9,618.49 -891.66	2,675.28
27 14 13 16-0060 #22 AWG Low Voltage Cable, Pulled In Conduit, Shielded (27 14 13 16-0002)		
27 14 13 16-0061 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	813.89 -139.63	419.04
27 14 13 16-0062 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	881.34 -144.60	434.09
27 14 13 16-0063 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	965.80 -149.71	449.14
27 14 13 16-0064 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,058.35 -154.83	464.19
27 14 13 16-0065 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,190.66 -165.21	495.78
27 14 13 16-0066 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Alarm And Communications Cable <i>For Installation On Exposed Surface, Deduct</i>	1,325.49 -175.14	525.13
27 14 13 16-0067 Triad (27 14 13 16-0002)		
27 14 13 16-0068 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Placed In Conduit.....	1,891.87	623.68
27 14 13 16-0069 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	2,463.33	862.92
27 14 13 16-0070 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	3,851.21	1,274.45
27 14 13 16-0071 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	4,798.79	1,518.95
27 14 13 16-0072 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	7,862.48	2,353.29
27 14 13 16-0073 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Placed In Conduit.....	9,046.64	2,675.28
27 14 13 16-0074 Shielded, Low Voltage Cable Buried In Trench (27 14 13 16-0001)		
Note: Excludes excavation.		
27 14 13 16-0075 MLF 1 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,467.14	
27 14 13 16-0076 MLF 2 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	1,893.71	
27 14 13 16-0077 MLF 3 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,265.78	
27 14 13 16-0078 MLF 4 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	2,660.30	
27 14 13 16-0079 MLF 5 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,070.90	
27 14 13 16-0080 MLF 6 Pair #14 AWG, Solid, Low Voltage, Direct Burial, Alarm And Communications Cable	3,442.92	
27 14 13 16-0081 Shielded, Low Voltage Cable Installed On Poles, Aerially (27 14 13 16-0001)		
27 14 13 16-0082 MLF 1 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	1,539.55	407.77
27 14 13 16-0083 MLF 2 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,007.78	436.87
27 14 13 16-0084 MLF 3 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	2,648.34	552.29
27 14 13 16-0085 MLF 4 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	3,233.80	638.79
27 14 13 16-0086 MLF 5 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	5,056.24	728.09
27 14 13 16-0087 MLF 6 Pair #14 AWG, Solid, Low Voltage, On Poles, Alarm And Communications Cable	6,085.54	930.19
27 14 13 16-0088 Non-Shielded Low Voltage Cable Pulled In Conduit (27 14 13 16-0001)		
27 14 13 16-0089 #14 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0090 MLF 1 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,512.80	651.52
<i>For Installation On Exposed Surface, Deduct</i>	-217.12	
27 14 13 16-0091 MLF 2 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	1,913.04	674.84
<i>For Installation On Exposed Surface, Deduct</i>	-224.95	
27 14 13 16-0092 MLF 3 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,262.13	698.17
<i>For Installation On Exposed Surface, Deduct</i>	-232.77	
27 14 13 16-0093 MLF 4 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	2,631.47	722.24
<i>For Installation On Exposed Surface, Deduct</i>	-240.75	
27 14 13 16-0094 MLF 5 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,021.17	770.38
<i>For Installation On Exposed Surface, Deduct</i>	-256.69	
27 14 13 16-0095 MLF 6 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,376.53	818.54
<i>For Installation On Exposed Surface, Deduct</i>	-272.79	
27 14 13 16-0096 MLF 8 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	3,646.57	916.34
<i>For Installation On Exposed Surface, Deduct</i>	-305.45	
27 14 13 16-0097 MLF 12 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	4,838.26	1,207.49
<i>For Installation On Exposed Surface, Deduct</i>	-402.50	
27 14 13 16-0098 MLF 24 Pair #14 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded	7,211.88	1,783.78
<i>For Installation On Exposed Surface, Deduct</i>	-594.64	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0099 #16 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0100 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,345.93	581.55
For Installation On Exposed Surface, Deduct	-193.95	
27 14 13 16-0101 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,698.54	602.62
For Installation On Exposed Surface, Deduct	-200.87	
27 14 13 16-0102 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,006.11	623.68
For Installation On Exposed Surface, Deduct	-207.79	
27 14 13 16-0103 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,332.36	644.75
For Installation On Exposed Surface, Deduct	-215.02	
27 14 13 16-0104 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,676.78	687.63
For Installation On Exposed Surface, Deduct	-229.31	
27 14 13 16-0105 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,991.03	731.26
For Installation On Exposed Surface, Deduct	-243.75	
27 14 13 16-0106 MLF 7 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,110.28	774.90
For Installation On Exposed Surface, Deduct	-258.20	
27 14 13 16-0107 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,350.90	818.54
For Installation On Exposed Surface, Deduct	-272.79	
27 14 13 16-0108 MLF 9 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,768.49	870.44
For Installation On Exposed Surface, Deduct	-290.08	
27 14 13 16-0109 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,285.33	1,078.09
For Installation On Exposed Surface, Deduct	-359.39	
27 14 13 16-0110 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	6,387.55	1,592.68
For Installation On Exposed Surface, Deduct	-530.99	
27 14 13 16-0111 #18 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0112 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,167.10	511.58
For Installation On Exposed Surface, Deduct	-170.63	
27 14 13 16-0113 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,446.95	530.39
For Installation On Exposed Surface, Deduct	-176.80	
27 14 13 16-0114 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,607.72	549.20
For Installation On Exposed Surface, Deduct	-182.97	
27 14 13 16-0115 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,833.43	567.26
For Installation On Exposed Surface, Deduct	-189.14	
27 14 13 16-0116 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,070.59	605.63
For Installation On Exposed Surface, Deduct	-201.92	
27 14 13 16-0117 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,307.02	644.00
For Installation On Exposed Surface, Deduct	-214.57	
27 14 13 16-0118 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,888.86	719.98
For Installation On Exposed Surface, Deduct	-239.99	
27 14 13 16-0119 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	3,723.71	948.69
For Installation On Exposed Surface, Deduct	-316.28	
27 14 13 16-0120 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	5,583.84	1,401.59
For Installation On Exposed Surface, Deduct	-467.20	
27 14 13 16-0121 #20 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0122 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	997.28	465.70
For Installation On Exposed Surface, Deduct	-155.13	
27 14 13 16-0123 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,181.29	482.25
For Installation On Exposed Surface, Deduct	-160.70	
27 14 13 16-0124 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,439.63	549.20
For Installation On Exposed Surface, Deduct	-182.97	
27 14 13 16-0125 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,540.26	516.10
For Installation On Exposed Surface, Deduct	-171.98	
27 14 13 16-0126 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	1,839.94	605.63
For Installation On Exposed Surface, Deduct	-201.92	
27 14 13 16-0127 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,034.49	644.00
For Installation On Exposed Surface, Deduct	-214.57	
27 14 13 16-0128 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,222.12	716.67
For Installation On Exposed Surface, Deduct	-238.94	
27 14 13 16-0129 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	2,787.95	862.92
For Installation On Exposed Surface, Deduct	-287.54	
27 14 13 16-0130 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,149.20	1,274.45
For Installation On Exposed Surface, Deduct	-424.77	
27 14 13 16-0131 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	4,428.17	1,304.54
For Installation On Exposed Surface, Deduct	-434.85	
27 14 13 16-0132 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	5,293.47	1,518.95
For Installation On Exposed Surface, Deduct	-506.32	
27 14 13 16-0133 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	5,681.27	1,625.79
For Installation On Exposed Surface, Deduct	-541.98	
27 14 13 16-0134 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	6,751.25	2,032.05
For Installation On Exposed Surface, Deduct	-677.24	
27 14 13 16-0135 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	9,220.12	2,675.28
For Installation On Exposed Surface, Deduct	-891.66	
27 14 13 16-0136 #22 AWG Low Voltage Cable, Pulled In Conduit, Non-Shielded (27 14 13 16-0088)		
27 14 13 16-0137 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded.....	845.10	419.04
For Installation On Exposed Surface, Deduct	-139.63	
For Installation On Exposed Surface, Deduct	-139.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0138 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	924.05 -144.60	434.09
27 14 13 16-0139 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,034.45 -149.71 -149.71	449.14
27 14 13 16-0140 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,157.40 -154.83 -154.83	464.19
27 14 13 16-0141 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,300.43 -165.21 -165.21	495.78
27 14 13 16-0142 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Non-Shielded <i>For Installation On Exposed Surface, Deduct</i>	1,460.89 -175.14 -175.14	525.13
27 14 13 16-0143 Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0001)</small>		
27 14 13 16-0144 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,323.73	581.55
27 14 13 16-0145 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,837.05	602.62
27 14 13 16-0146 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,184.75	623.68
27 14 13 16-0147 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,345.76	644.75
27 14 13 16-0148 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,020.85	687.63
27 14 13 16-0149 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,300.49	731.26
27 14 13 16-0150 MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,361.65	818.54
27 14 13 16-0151 MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,272.22	1,078.09
27 14 13 16-0152 MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	8,109.09	1,592.68
27 14 13 16-0153 MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,120.78	511.58
27 14 13 16-0154 MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,539.67	530.39
27 14 13 16-0155 MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,878.62	549.20
27 14 13 16-0156 MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,024.35	567.26
27 14 13 16-0157 MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,597.84	605.63
27 14 13 16-0158 MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,004.53	644.00
27 14 13 16-0159 MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,410.62	719.98
27 14 13 16-0160 MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,362.70	948.69
27 14 13 16-0161 MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	7,242.40	1,401.59
27 14 13 16-0162 MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	958.85	465.70
27 14 13 16-0163 MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,213.17	482.25
27 14 13 16-0164 MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,458.42	498.79
27 14 13 16-0165 MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,597.68	516.10
27 14 13 16-0166 MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,766.28	550.71
27 14 13 16-0167 MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,967.37	585.31
27 14 13 16-0168 MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,205.02	654.52
27 14 13 16-0169 MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,136.39	862.92
27 14 13 16-0170 MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,852.52	1,274.45
27 14 13 16-0171 MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,210.65	1,304.54
27 14 13 16-0172 MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,230.74	1,518.95
27 14 13 16-0173 MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,713.13	1,625.79
27 14 13 16-0174 MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	7,919.80	2,032.05
27 14 13 16-0175 MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	10,873.73	2,675.28
27 14 13 16-0176 MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	21,706.46	4,927.76
27 14 13 16-0177 MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	34,810.79	6,521.20
27 14 13 16-0178 MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	47,824.05	8,217.71
27 14 13 16-0179 MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	68,061.11	11,272.16
27 14 13 16-0180 MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	892.85	465.70
27 14 13 16-0181 MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,065.55	482.25
27 14 13 16-0182 MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,232.46	498.79
27 14 13 16-0183 MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,331.85	516.10
27 14 13 16-0184 MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,460.58	550.71
27 14 13 16-0185 MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,609.80	585.31
27 14 13 16-0186 MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	1,803.56	654.52
27 14 13 16-0187 MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	2,524.32	862.92
27 14 13 16-0188 MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	3,869.32	1,274.45
27 14 13 16-0189 MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,116.56	1,304.54
27 14 13 16-0190 MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	4,911.82	1,518.95
27 14 13 16-0191 MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	5,270.66	1,625.79
27 14 13 16-0192 MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	6,286.24	2,032.05
27 14 13 16-0193 MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	8,562.10	2,675.28
27 14 13 16-0194 MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	16,814.45	4,927.76
27 14 13 16-0195 MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	26,173.86	6,521.20
27 14 13 16-0196 MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	35,513.06	8,217.71
27 14 13 16-0197 MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Shielded	50,287.93	11,272.16
27 14 13 16-0198 Non-Shielded Plenum Rated, Low Voltage Cable, Pulled In Conduit <small>(27 14 13 16-0001)</small>		
27 14 13 16-0199 MLF 1 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,387.46	581.55
27 14 13 16-0200 MLF 2 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,753.36	602.62
27 14 13 16-0201 MLF 3 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	1,960.82	623.68
27 14 13 16-0202 MLF 4 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,255.45	644.75
27 14 13 16-0203 MLF 5 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,558.88	687.63
27 14 13 16-0204 MLF 6 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded	2,860.81	731.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 13 16-0205	MLF 8 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,610.97	818.54
27 14 13 16-0206	MLF 12 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,649.28	1,078.09
27 14 13 16-0207	MLF 24 Pair #16 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,976.13	1,592.68
27 14 13 16-0208	MLF 1 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,208.20	511.58
27 14 13 16-0209	MLF 2 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,520.64	530.39
27 14 13 16-0210	MLF 3 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,698.41	549.20
27 14 13 16-0211	MLF 4 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,949.64	567.26
27 14 13 16-0212	MLF 5 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,209.48	605.63
27 14 13 16-0213	MLF 6 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,468.58	644.00
27 14 13 16-0214	MLF 8 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,109.92	719.98
27 14 13 16-0215	MLF 12 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,005.57	948.69
27 14 13 16-0216	MLF 24 Pair #18 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,008.97	1,401.59
27 14 13 16-0217	MLF 1 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,026.29	465.70
27 14 13 16-0218	MLF 2 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,293.22	482.25
27 14 13 16-0219	MLF 3 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,467.97	498.79
27 14 13 16-0220	MLF 4 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,817.46	516.10
27 14 13 16-0221	MLF 5 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,075.92	550.71
27 14 13 16-0222	MLF 6 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,652.78	585.31
27 14 13 16-0223	MLF 8 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,963.38	654.52
27 14 13 16-0224	MLF 12 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	3,655.90	862.92
27 14 13 16-0225	MLF 24 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,580.76	1,274.45
27 14 13 16-0226	MLF 25 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	6,018.99	1,304.54
27 14 13 16-0227	MLF 36 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,243.15	1,518.95
27 14 13 16-0228	MLF 40 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,778.85	1,625.79
27 14 13 16-0229	MLF 50 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	9,126.68	2,032.05
27 14 13 16-0230	MLF 100 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	12,581.61	2,675.28
27 14 13 16-0231	MLF 250 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	25,321.92	4,927.76
27 14 13 16-0232	MLF 500 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	41,193.43	6,521.20
27 14 13 16-0233	MLF 750 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	56,920.76	8,217.71
27 14 13 16-0234	MLF 1200 Pair #20 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	81,193.94	11,271.41
27 14 13 16-0235	MLF 1 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	935.97	465.70
27 14 13 16-0236	MLF 2 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,116.77	482.25
27 14 13 16-0237	MLF 3 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,238.59	498.79
27 14 13 16-0238	MLF 4 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,472.44	516.10
27 14 13 16-0239	MLF 5 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	1,658.64	550.71
27 14 13 16-0240	MLF 6 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,048.26	585.31
27 14 13 16-0241	MLF 8 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,288.69	654.52
27 14 13 16-0242	MLF 12 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	2,856.64	862.92
27 14 13 16-0243	MLF 24 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,335.15	1,274.45
27 14 13 16-0244	MLF 25 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	4,633.64	1,304.54
27 14 13 16-0245	MLF 36 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,545.46	1,518.95
27 14 13 16-0246	MLF 40 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	5,952.39	1,625.79
27 14 13 16-0247	MLF 50 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	7,058.26	2,032.05
27 14 13 16-0248	MLF 100 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	9,654.60	2,675.28
27 14 13 16-0249	MLF 250 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	19,127.00	4,927.76
27 14 13 16-0250	MLF 500 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	30,256.76	6,521.20
27 14 13 16-0251	MLF 750 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	41,332.81	8,217.71
27 14 13 16-0252	MLF 1200 Pair #22 AWG, Solid, Low Voltage, Placed In Conduit, Plenum Rated, Non-Shielded.....	58,690.32	11,272.16

27 14 13 16-0253 Copper Telecommunications Cable (27 14 13 16)

27 14 13 16-0254 Indoor Telecommunications Cable (27 14 13 16-0253)

Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Telecommunications cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. Shielded twisted pair cables (STP) include a metallic foil wrap. Un-shielded twisted pair cables (UTP) exclude any shielding.

27 14 13 16-0255 Category 3, Indoor Telecommunications Cable (27 14 13 16-0254)

Note: Un-shielded twisted pair cables (UTP).

27 14 13 16-0256 Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0255)

27 14 13 16-0257 24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 14 13 16-0256)

27 14 13 16-0258 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 14 13 16-0257)

27 14 13 16-0259	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	656.90	345.63
27 14 13 16-0260	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	691.30	345.63
27 14 13 16-0261	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	703.34	345.63
27 14 13 16-0262	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	854.43	395.00
27 14 13 16-0263	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,107.30	395.00
27 14 13 16-0264	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,509.82	395.00
27 14 13 16-0265	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,434.73	493.75
27 14 13 16-0266	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	4,421.61	790.00
27 14 13 16-0267	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	6,024.25	888.75
27 14 13 16-0268	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	8,044.89	987.51
27 14 13 16-0269	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	11,778.92	1,382.51
27 14 13 16-0270	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	15,459.66	1,708.39
27 14 13 16-0271	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	24,125.98	2,370.01
27 14 13 16-0272	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	39,042.15	4,740.03
27 14 13 16-0273	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	52,969.21	7,110.05



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0274 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0257)</small>		
27 14 13 16-0275 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,232.94	691.26
27 14 13 16-0276 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,267.34	691.26
27 14 13 16-0277 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,279.38	691.26
27 14 13 16-0278 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,348.19	691.26
27 14 13 16-0279 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,601.06	691.26
27 14 13 16-0280 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,168.17	790.00
27 14 13 16-0281 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,257.65	987.51
27 14 13 16-0282 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	5,079.94	1,185.01
27 14 13 16-0283 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,764.88	1,333.13
27 14 13 16-0284 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	8,867.81	1,481.26
27 14 13 16-0285 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,931.01	2,073.76
27 14 13 16-0286 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	16,891.54	2,567.52
27 14 13 16-0287 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	26,100.99	3,555.02
27 14 13 16-0288 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	42,932.18	7,110.05
27 14 13 16-0289 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	58,894.25	10,665.07
27 14 13 16-0290 22 AWG, Category 3, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0256)</small>		
27 14 13 16-0291 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0290)</small>		
27 14 13 16-0292 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	2,470.88	395.00
27 14 13 16-0293 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,700.26	493.75
27 14 13 16-0294 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	6,781.00	790.00
27 14 13 16-0295 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	12,131.35	987.51
27 14 13 16-0296 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	17,950.91	1,382.51
27 14 13 16-0297 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	23,400.98	1,708.39
27 14 13 16-0298 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	34,550.78	2,370.01
27 14 13 16-0299 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0290)</small>		
27 14 13 16-0300 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	3,129.23	790.00
27 14 13 16-0301 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,523.18	987.51
27 14 13 16-0302 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	7,439.33	1,185.01
27 14 13 16-0303 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	12,954.27	1,481.26
27 14 13 16-0304 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	19,103.00	2,073.76
27 14 13 16-0305 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	24,832.86	2,567.52
27 14 13 16-0306 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	36,525.79	3,555.02
27 14 13 16-0307 Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0255)</small>		
27 14 13 16-0308 24 AWG, Category 3, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0307)</small>		
27 14 13 16-0309 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0308)</small>		
27 14 13 16-0310 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	679.27	345.63
27 14 13 16-0311 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	713.66	345.63
27 14 13 16-0312 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	737.75	345.63
27 14 13 16-0313 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	890.56	395.00
27 14 13 16-0314 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,153.74	395.00
27 14 13 16-0315 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,871.05	395.00
27 14 13 16-0316 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,158.93	493.75
27 14 13 16-0317 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	5,990.40	790.00
27 14 13 16-0318 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	10,435.95	987.51
27 14 13 16-0319 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	15,657.91	1,382.51
27 14 13 16-0320 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0308)</small>		
27 14 13 16-0321 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,255.31	691.26
27 14 13 16-0322 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,289.70	691.26
27 14 13 16-0323 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,313.79	691.26
27 14 13 16-0324 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,384.32	691.26
27 14 13 16-0325 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,647.50	691.26
27 14 13 16-0326 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,529.40	790.00
27 14 13 16-0327 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,981.85	987.51
27 14 13 16-0328 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	6,648.73	1,185.01
27 14 13 16-0329 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	11,258.87	1,481.26
27 14 13 16-0330 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	16,810.00	2,073.76
27 14 13 16-0331 Category 5E, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		
27 14 13 16-0332 Category 5E, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0331)</small>		

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27 10	Structured Cabling
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0333 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0332)</small>		
27 14 13 16-0334 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	765.27	345.63
27 14 13 16-0335 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	809.71	345.63
27 14 13 16-0336 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	892.86	395.00
27 14 13 16-0337 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	937.57	395.00
27 14 13 16-0338 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0332)</small>		
27 14 13 16-0339 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,341.31	691.26
27 14 13 16-0340 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,385.75	691.26
27 14 13 16-0341 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,551.21	790.00
27 14 13 16-0342 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,595.92	790.00
27 14 13 16-0343 Category 5E, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0331)</small>		
27 14 13 16-0344 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0343)</small>		
27 14 13 16-0345 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	913.20	345.63
27 14 13 16-0346 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,326.77	395.00
27 14 13 16-0347 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0343)</small>		
27 14 13 16-0348 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,489.24	691.26
27 14 13 16-0349 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,985.12	790.00
27 14 13 16-0350 Category 6, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		
27 14 13 16-0351 Category 6, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0350)</small>		
27 14 13 16-0352 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0351)</small>		
27 14 13 16-0353 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	875.36	345.63
27 14 13 16-0354 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	908.82	345.63
27 14 13 16-0355 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0351)</small>		
27 14 13 16-0356 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,451.40	691.26
27 14 13 16-0357 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,484.86	691.26
27 14 13 16-0358 Category 6, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0350)</small>		
27 14 13 16-0359 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0358)</small>		
27 14 13 16-0360 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,184.99	345.63
27 14 13 16-0361 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0358)</small>		
27 14 13 16-0362 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,761.03	691.26
27 14 13 16-0363 Category 6a, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		
27 14 13 16-0364 Category 6a, Indoor Telecommunications Riser Cable <small>(27 14 13 16-0363)</small>		
27 14 13 16-0365 Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 14 13 16-0364)</small>		
27 14 13 16-0366 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed In Conduit.....	928.83	345.63
27 14 13 16-0367 Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 14 13 16-0364)</small>		
27 14 13 16-0368 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,504.87	691.26
27 14 13 16-0369 Category 6a, Indoor Telecommunications Plenum Cable <small>(27 14 13 16-0363)</small>		
27 14 13 16-0370 Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 14 13 16-0369)</small>		
27 14 13 16-0371 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,343.26	345.63
27 14 13 16-0372 Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 14 13 16-0369)</small>		
27 14 13 16-0373 MLF 4-Pair Solid UTP, 23 AWG, Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed.....	1,919.30	691.26
27 14 13 16-0374 Category 7, Indoor Telecommunications Cable <small>(27 14 13 16-0254)</small>		



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0375 Category 7, Indoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0374)		
27 14 13 16-0376 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,018.31	395.00
27 14 13 16-0377 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,978.12	395.00
27 14 13 16-0378 Category 7, Indoor Telecommunications Cable, Installed Exposed ^(27 14 13 16-0374)		
27 14 13 16-0379 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,676.66	790.00
27 14 13 16-0380 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,636.47	790.00
27 14 13 16-0381 Outdoor Telecommunications Cable ^(27 14 13 16-0253)		
Note: Telecommunications cable installed in conduit includes pull wires and installation in conduit, innerduct, etc. Telecommunications cable buried in trench excludes excavation.		
27 14 13 16-0382 PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0381)		
Note: Includes foam-skin polyolefin insulated conductors.		
27 14 13 16-0383 24 AWG, PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0382)		
27 14 13 16-0384 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0383)		
27 14 13 16-0385 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,472.40	691.26
27 14 13 16-0386 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,607.88	691.26
27 14 13 16-0387 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,899.74	691.26
27 14 13 16-0388 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,455.74	691.26
27 14 13 16-0389 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,008.37	691.26
27 14 13 16-0390 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,562.29	691.26
27 14 13 16-0391 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,054.78	888.75
27 14 13 16-0392 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,883.97	1,283.75
27 14 13 16-0393 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	11,755.29	1,678.76
27 14 13 16-0394 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	15,958.46	2,271.27
27 14 13 16-0395 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	25,906.25	4,542.53
27 14 13 16-0396 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	35,782.12	6,715.05
27 14 13 16-0397 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0383)		
27 14 13 16-0398 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,225.52	
27 14 13 16-0399 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,361.00	
27 14 13 16-0400 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,652.86	
27 14 13 16-0401 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,208.86	
27 14 13 16-0402 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,761.49	
27 14 13 16-0403 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,315.41	
27 14 13 16-0404 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	5,890.20	
27 14 13 16-0405 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,390.22	
27 14 13 16-0406 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	10,726.63	
27 14 13 16-0407 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	14,148.03	
27 14 13 16-0408 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	20,968.73	
27 14 13 16-0409 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	28,540.39	
27 14 13 16-0410 22 AWG, PE-89 Outdoor Telecommunications Cable ^(27 14 13 16-0382)		
27 14 13 16-0411 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0410)		
27 14 13 16-0412 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	1,558.53	691.26
27 14 13 16-0413 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,768.80	691.26
27 14 13 16-0414 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	2,229.12	691.26
27 14 13 16-0415 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,042.01	691.26
27 14 13 16-0416 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,924.55	691.26
27 14 13 16-0417 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	4,807.81	691.26
27 14 13 16-0418 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,457.56	888.75
27 14 13 16-0419 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	12,310.82	1,283.75
27 14 13 16-0420 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	16,374.98	1,678.76
27 14 13 16-0421 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	24,025.88	2,271.27
27 14 13 16-0422 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	36,094.74	4,542.53
27 14 13 16-0423 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	51,025.03	6,715.05
27 14 13 16-0424 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0410)		
27 14 13 16-0425 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,311.65	
27 14 13 16-0426 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,521.92	
27 14 13 16-0427 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,982.24	
27 14 13 16-0428 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,795.13	
27 14 13 16-0429 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,677.67	
27 14 13 16-0430 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,560.93	
27 14 13 16-0431 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,292.98	
27 14 13 16-0432 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	11,817.07	
27 14 13 16-0433 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	15,346.32	
27 14 13 16-0434 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	22,215.45	
27 14 13 16-0435 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	31,157.22	
27 14 13 16-0436 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	43,783.30	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0437		19 AWG, PE-89 Outdoor Telecommunications Cable <small>(27 14 13 16-0382)</small>		
27 14 13 16-0438		19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0437)</small>		
27 14 13 16-0439	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,244.55	691.26
27 14 13 16-0440	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,026.85	691.26
27 14 13 16-0441	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,455.20	691.26
27 14 13 16-0442	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	8,739.19	691.26
27 14 13 16-0443		19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0437)</small>		
27 14 13 16-0444	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,997.67	
27 14 13 16-0445	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	4,779.97	
27 14 13 16-0446	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	7,208.32	
27 14 13 16-0447	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,492.31	
27 14 13 16-0448		PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0381)</small>		
Note: Includes solid polyolefin insulated conductors.				
27 14 13 16-0449		24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0448)</small>		
27 14 13 16-0450		24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0449)</small>		
27 14 13 16-0451	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,484.51	691.26
27 14 13 16-0452	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,650.26	691.26
27 14 13 16-0453	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,984.65	691.26
27 14 13 16-0454	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,586.82	691.26
27 14 13 16-0455	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,808.12	691.26
27 14 13 16-0456	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	6,616.99	888.75
27 14 13 16-0457	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,650.85	1,283.75
27 14 13 16-0458	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	12,689.73	1,678.76
27 14 13 16-0459	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,322.81	2,271.27
27 14 13 16-0460	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,670.69	4,542.53
27 14 13 16-0461	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	40,358.35	6,715.05
27 14 13 16-0462		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0449)</small>		
27 14 13 16-0463	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,237.63	
27 14 13 16-0464	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,403.38	
27 14 13 16-0465	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,737.77	
27 14 13 16-0466	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,339.94	
27 14 13 16-0467	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,561.24	
27 14 13 16-0468	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	6,452.41	
27 14 13 16-0469	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,157.10	
27 14 13 16-0470	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	11,661.07	
27 14 13 16-0471	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,512.38	
27 14 13 16-0472	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,733.17	
27 14 13 16-0473	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,116.62	
27 14 13 16-0474		22 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 14 13 16-0448)</small>		
27 14 13 16-0475		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit <small>(27 14 13 16-0474)</small>		
27 14 13 16-0476	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,580.34	691.26
27 14 13 16-0477	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	1,823.90	691.26
27 14 13 16-0478	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,342.21	691.26
27 14 13 16-0479	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,295.71	691.26
27 14 13 16-0480	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,285.55	691.26
27 14 13 16-0481	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,460.27	888.75
27 14 13 16-0482	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	13,847.89	1,283.75
27 14 13 16-0483	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	17,765.96	1,678.76
27 14 13 16-0484	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	24,760.66	2,271.27
27 14 13 16-0485	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,714.29	4,542.53
27 14 13 16-0486		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench <small>(27 14 13 16-0474)</small>		
27 14 13 16-0487	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	1,333.46	
27 14 13 16-0488	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,577.02	
27 14 13 16-0489	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,095.33	
27 14 13 16-0490	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,048.83	
27 14 13 16-0491	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	5,038.67	
27 14 13 16-0492	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	9,295.69	
27 14 13 16-0493	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	13,354.14	
27 14 13 16-0494	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	16,737.30	
27 14 13 16-0495	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,950.23	
27 14 13 16-0496	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	34,776.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 13 16-0497	19 AWG, PE-39 Outdoor Telecommunications Cable ^(27 14 13 16-0448)	
27 14 13 16-0498	19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit ^(27 14 13 16-0497)	
27 14 13 16-0499	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,490.38
27 14 13 16-0500	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,424.22
27 14 13 16-0501	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	9,434.31
27 14 13 16-0502	19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench ^(27 14 13 16-0497)	
27 14 13 16-0503	MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,243.50
27 14 13 16-0504	MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,177.34
27 14 13 16-0505	MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,187.43
27 14 13 16-0506	(Aerial) Outdoor Telecommunications Cable ^(27 14 13 16-0381) Note: Includes support wire.	
27 14 13 16-0507	24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 14 13 16-0506)	
27 14 13 16-0508	MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,493.72
27 14 13 16-0509	MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,631.63
27 14 13 16-0510	MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,974.04
27 14 13 16-0511	MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,608.00
27 14 13 16-0512	MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,832.48
27 14 13 16-0513	MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,611.95
27 14 13 16-0514	MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,406.57
27 14 13 16-0515	22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 14 13 16-0506)	
27 14 13 16-0516	MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,658.72
27 14 13 16-0517	MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,862.47
27 14 13 16-0518	MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,353.24
27 14 13 16-0519	MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,322.79
27 14 13 16-0520	MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,658.75
27 14 13 16-0521	MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,734.00
27 14 13 16-0522	19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles ^(27 14 13 16-0506)	
27 14 13 16-0523	MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	4,876.86
27 14 13 16-0524	MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	5,337.64
27 14 13 16-0525	MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	6,243.62
27 14 13 16-0526	MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,055.58
27 14 13 16-0527	MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	11,898.64
27 14 13 16-0528	Sound System Cables ^(27 14 13 16) Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.	
27 14 13 16-0529	Sound System Cables, Communications And Control Cable, Installed Exposed ^(27 14 13 16-0528)	
27 14 13 16-0530	MLF 2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,176.95
27 14 13 16-0531	MLF 2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed.....	1,239.88
27 14 13 16-0532	MLF 2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed	1,193.48
27 14 13 16-0533	MLF 2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed Exposed	1,256.64
27 14 13 16-0534	MLF 2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed	1,218.39
27 14 13 16-0535	MLF 2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed Exposed	1,302.77
27 14 13 16-0536	MLF 2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed	1,244.06
27 14 13 16-0537	MLF 4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed	1,265.53
27 14 13 16-0538	MLF 2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed Exposed	1,177.49
27 14 13 16-0539	MLF 4 Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed Exposed	1,345.34
27 14 13 16-0540	Sound System Cables, Communications And Control Cable, Installed In Conduit ^(27 14 13 16-0528)	
27 14 13 16-0541	MLF 2 Conductor, 18 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	650.31
27 14 13 16-0542	MLF 2 Conductor, 16 AWG, Non-Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	713.24
27 14 13 16-0543	MLF 2 Conductor, 18 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	666.84
27 14 13 16-0544	MLF 2 Conductor, 16 AWG, Plenum, Unshielded, Speaker/Communications And Control Cable, Installed In Conduit	730.00
27 14 13 16-0545	MLF 2 Conductor, 18 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit	691.75
27 14 13 16-0546	MLF 2 Conductor, 16 AWG, Plenum, Shielded, Speaker/Communications And Control Cable, Installed In Conduit	776.13
27 14 13 16-0547	MLF 2 Conductor, 22 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit.....	717.42
27 14 13 16-0548	MLF 4 Conductor, 22 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit	738.89
27 14 13 16-0549	MLF 2 Conductor, 20 AWG, Plenum, Shielded, Microphone/Communications And Control Cable, Installed In Conduit.....	650.85

27	27	Communications
	27 10	Structured Cabling
	27 14	Communications Cabling



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 14 13 16-0550	MLF	4	Conductor, 20 AWG, Non-Plenum, 2 Shielded, 2 Unshielded, Microphone/Communications Cable, Installed In Conduit.....	818.70	263.31
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27 14 23 Communications Optical Fiber Cabling (27 14)**27 14 23 13 Communications Optical Fiber Splicing And Terminations (27 14 23)****27 14 23 13-0001 Fiber Optic Cable Connectors (27 14 23 13)**

27 14 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable.....	23.49	
27 14 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable.....	26.98	
27 14 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable.....	26.08	
27 14 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable.....	30.53	
27 14 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable.....	35.56	
27 14 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable.....	36.60	
27 14 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable.....	52.70	

27 14 23 13-0009 Fiber Optic Cable Fan Out Kits (27 14 23 13)**27 14 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)**

27 14 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	189.67	
27 14 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	193.12	
27 14 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	232.01	
27 14 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	265.78	

27 14 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable (27 14 23 13-0009)

Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.

27 14 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	233.11	
27 14 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	258.47	
27 14 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	357.29	
27 14 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	464.95	

27 14 23 13-0020 Fiber Optic Cable Splice Closures (27 14 23 13)

Note: Includes mounting hardware. Excludes splicing and splice trays.

27 14 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	532.54	82.30
27 14 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	697.13	164.58
27 14 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	697.13	164.58
27 14 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	865.48	82.30
27 14 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,030.07	164.58
27 14 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,030.07	164.58
27 14 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure.....	39.13	10.28

Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.

27 14 23 13-0028 Fiber Optic Cable Splicing (27 14 23 13)

27 14 23 13-0029	EA	Single Strand, Fusion Splice Of Fiber Optic Cable.....	24.69	
27 14 23 13-0030	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	82.30	

27 14 23 13-0031 Fiber Optic Cable Testing (27 14 23 13)

Note: Price based on testing one wavelength.

27 14 23 13-0032 Fiber Optic Cable Testing Using An OTDR (27 14 23 13-0031)

Note: Testing using an optical time domain reflectometer.

27 14 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	16.46	
		For >12 To 48 Strands, Deduct	-1.23	
		For >48 Strands, Deduct	-1.65	
27 14 23 13-0034	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	24.69	
		For >12 To 48 Strands, Deduct	-1.85	
		For >48 Strands, Deduct	-2.47	
27 14 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	41.14	
		For >12 To 48 Strands, Deduct	-3.09	
		For >48 Strands, Deduct	-4.11	
27 14 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	61.72	
		For >12 To 48 Strands, Deduct	-4.63	
		For >48 Strands, Deduct	-6.17	

27 14 23 13-0037 Fiber Optic Cable Testing Using A Power Meter (27 14 23 13-0031)

27 14 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	16.46	
		For >12 To 48 Strands, Deduct	-1.23	
		For >48 Strands, Deduct	-1.65	
27 14 23 13-0039	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	24.69	
		For >12 To 48 Strands, Deduct	-1.85	
		For >48 Strands, Deduct	-2.47	

27 14 23 13-0040 Fiber Optic Cable Light Source/Continuity Testing (27 14 23 13-0031)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 13-0041 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	16.46	
<i>For >12 To 48 Strands, Deduct</i>	-1.23	
<i>For >48 Strands, Deduct</i>	-1.65	
27 14 23 13-0042 Other Fiber Optic Cable Equipment (27 14 23 13)		
27 14 23 13-0043 EA 8 Port Ethernet Switch.....	597.32	161.90
27 14 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth.....	807.97	161.90
<i>Note: Patch antenna with 1 meter 3' SMA-N cable</i>		
27 14 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge.....	17,922.29	161.90
<i>Note: 8VDC input</i>		
27 14 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U.....	188.03	20.27
27 14 23 13-0047 EA Hardened Ethernet Switch.....	1,922.17	81.05
27 14 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	49,700.32	1,945.14
27 14 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	61,813.22	2,593.53
27 14 23 13-0050 EA Fiber Break Out Box For 24 Fiber.....	870.46	162.10
27 14 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	948.73	81.05
27 14 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	801.23	81.05
27 14 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	1,029.77	121.57
27 14 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100VAC - 260VAC, Power Module Included. Gigabit Ports: 1 x 1000TX & 1 x 1000LX SM 20KM, (Etherwan Systems).....	762.21	
27 14 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100VAC - 260VAC.....	762.21	
27 14 23 13-0056 Other Fiber Optic Cable Splicing (27 14 23 13)		
27 14 23 13-0057 EA Fiber Optic Finger Splice.....	26.37	15.47
27 14 23 13-0058 EA Fiber Optic Splice Box - Manholes.....	3,331.38	
27 14 23 16 Communications Optical Fiber Cabling (27 14 23)		
27 14 23 16-0001 Indoor Fiber Optic Cable (27 14 23 16)		
<i>Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.</i>		
27 14 23 16-0002 Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0001)		
<i>Note: Excludes conduit or innerduct.</i>		
27 14 23 16-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0002)		
27 14 23 16-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0006 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	760.34	296.25
27 14 23 16-0007 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	840.68	296.25
27 14 23 16-0008 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	867.51	296.25
27 14 23 16-0009 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	963.04	296.25
<i>For Aluminum Armored Cable, Add</i>	1,173.16	
<i>For Steel Armored Cable, Add</i>	1,246.15	
27 14 23 16-0010 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	990.43	296.25
27 14 23 16-0011 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,155.99	296.25
<i>For Aluminum Armored Cable, Add</i>	1,213.20	
<i>For Steel Armored Cable, Add</i>	1,294.36	
27 14 23 16-0012 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,039.67	345.63
27 14 23 16-0013 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,924.09	345.63
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,517.83	
<i>For Steel Armored Cable, Add</i>	1,486.52	
27 14 23 16-0014 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,596.25	345.63
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,600.08	
<i>For Steel Armored Cable, Add</i>	1,423.75	
27 14 23 16-0015 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,726.62	345.63
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,678.80	
<i>For Steel Armored Cable, Add</i>	1,492.07	
27 14 23 16-0016 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,548.72	345.63
27 14 23 16-0017 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,767.34	345.63
27 14 23 16-0018 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,917.31	345.63
27 14 23 16-0019 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,976.41	395.00
27 14 23 16-0020 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,544.57	395.00
27 14 23 16-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0022 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	783.47	296.25
27 14 23 16-0023 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	879.94	296.25
27 14 23 16-0024 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,010.09	296.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,221.33	296.25
For Aluminum Armored Cable, Add	1,154.47	
For Steel Armored Cable, Add	1,224.14	
27 14 23 16-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,325.87	296.25
27 14 23 16-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,727.92	296.25
For Aluminum Armored Cable, Add	1,184.55	
For Steel Armored Cable, Add	1,262.02	
27 14 23 16-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,398.74	345.63
27 14 23 16-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,863.00	345.63
For Aluminum Armored Cable With Sub-Units, Add	1,660.25	
For Steel Armored Cable, Add	1,630.38	
27 14 23 16-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,948.54	345.63
27 14 23 16-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,913.92	345.63
For Aluminum Armored Cable With Sub-Units, Add	1,786.09	
27 14 23 16-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,848.69	345.63
27 14 23 16-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,842.20	345.63
27 14 23 16-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,066.61	345.63
For Aluminum Armored Cable With Sub-Units, Add	1,319.14	
27 14 23 16-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,771.77	395.00
27 14 23 16-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,162.62	395.00
27 14 23 16-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0004)		
27 14 23 16-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	797.96	296.25
27 14 23 16-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	899.24	296.25
27 14 23 16-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,035.91	296.25
27 14 23 16-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,257.71	296.25
27 14 23 16-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,367.47	296.25
27 14 23 16-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,789.63	296.25
27 14 23 16-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,539.87	345.63
27 14 23 16-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,027.34	345.63
27 14 23 16-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,167.16	345.63
27 14 23 16-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,180.81	345.63
27 14 23 16-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,162.32	345.63
27 14 23 16-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,205.51	345.63
27 14 23 16-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,541.13	345.63
27 14 23 16-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,477.44	395.00
27 14 23 16-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,087.83	395.00
27 14 23 16-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0003)		
27 14 23 16-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0053)		
27 14 23 16-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,504.97	296.25
27 14 23 16-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,804.61	296.25
27 14 23 16-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,463.79	296.25
27 14 23 16-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,778.37	296.25
27 14 23 16-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,921.53	296.25
27 14 23 16-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,182.78	345.63
27 14 23 16-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,563.56	345.63
27 14 23 16-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,302.61	345.63
27 14 23 16-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,437.45	345.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0063)</small>		
27 14 23 16-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,795.49	296.25
27 14 23 16-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,939.96	296.25
27 14 23 16-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,531.27	296.25
27 14 23 16-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,107.35	296.25
27 14 23 16-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,810.49	296.25
27 14 23 16-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,966.90	345.63
27 14 23 16-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,410.00	345.63
27 14 23 16-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,671.38	345.63
27 14 23 16-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,598.61	345.63
27 14 23 16-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0053)</small>		
27 14 23 16-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,860.58	296.25
27 14 23 16-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,012.27	296.25
27 14 23 16-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,633.15	296.25
27 14 23 16-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,238.03	296.25
27 14 23 16-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,976.33	296.25
27 14 23 16-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,186.44	345.63
27 14 23 16-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,701.70	345.63
27 14 23 16-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,126.14	345.63
27 14 23 16-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,199.74	345.63
27 14 23 16-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0002)</small>		
27 14 23 16-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0084)</small>		
27 14 23 16-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	702.84	296.25
27 14 23 16-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	706.00	296.25
27 14 23 16-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	871.63	296.25
27 14 23 16-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	891.02	296.25
<i>For Aluminum Armored Cable, Add</i>		
<i>897.57</i>		
<i>For Steel Armored Cable, Add</i>		
<i>1,501.91</i>		
27 14 23 16-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	988.59	296.25
27 14 23 16-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,006.84	296.25
<i>For Aluminum Armored Cable, Add</i>		
<i>962.09</i>		
<i>For Steel Armored Cable, Add</i>		
<i>1,566.37</i>		
27 14 23 16-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,248.75	345.63
27 14 23 16-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,876.02	345.63
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
<i>625.78</i>		
<i>For Steel Armored Cable, Add</i>		
<i>715.02</i>		
27 14 23 16-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,536.31	345.63
27 14 23 16-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,653.27	345.63
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		
<i>120.01</i>		
<i>For Steel Armored Cable, Add</i>		
<i>260.61</i>		
27 14 23 16-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,605.03	345.63
27 14 23 16-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,621.22	345.63
27 14 23 16-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,733.06	345.63
27 14 23 16-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0085)</small>		
27 14 23 16-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	781.92	296.25
27 14 23 16-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	772.23	296.25
27 14 23 16-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,013.47	296.25

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,106.74	296.25
For Aluminum Armored Cable, Add	1,011.09	
For Steel Armored Cable, Add	1,615.40	
27 14 23 16-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,324.35	296.25
27 14 23 16-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,607.23	296.25
For Aluminum Armored Cable, Add	1,020.17	
For Steel Armored Cable, Add	1,624.44	
27 14 23 16-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,026.00	345.63
27 14 23 16-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,339.63	345.63
For Aluminum Armored Cable With Sub-Units, Add	286.22	
For Steel Armored Cable, Add	568.31	
27 14 23 16-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,493.50	345.63
27 14 23 16-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,266.87	345.63
For Aluminum Armored Cable With Sub-Units, Add	140.24	
27 14 23 16-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,262.00	345.63
27 14 23 16-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,808.33	345.63
27 14 23 16-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,970.92	345.63
For Aluminum Armored Cable With Sub-Units, Add	1,183.24	
27 14 23 16-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0085)		
27 14 23 16-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	796.32	296.25
27 14 23 16-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	786.16	296.25
27 14 23 16-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,039.46	296.25
27 14 23 16-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,137.39	296.25
27 14 23 16-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,365.88	296.25
27 14 23 16-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,662.90	296.25
27 14 23 16-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,198.50	345.63
27 14 23 16-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,527.81	345.63
27 14 23 16-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,789.37	345.63
27 14 23 16-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,601.41	345.63
27 14 23 16-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,646.30	345.63
27 14 23 16-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,269.94	345.63
27 14 23 16-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,590.67	345.63
27 14 23 16-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0084)		
27 14 23 16-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,421.32	296.25
27 14 23 16-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,785.88	296.25
27 14 23 16-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,662.28	296.25
27 14 23 16-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,521.18	296.25
27 14 23 16-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,891.97	296.25
27 14 23 16-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,426.21	345.63
27 14 23 16-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,201.01	345.63
27 14 23 16-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,783.27	345.63
27 14 23 16-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,473.65	345.63
27 14 23 16-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 14 23 16-0128)		
27 14 23 16-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,069.54	296.25
27 14 23 16-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,845.99	296.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0142 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,303.88	296.25
27 14 23 16-0143 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,943.70	296.25
27 14 23 16-0144 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,165.02	296.25
27 14 23 16-0145 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,848.69	345.63
27 14 23 16-0146 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,232.24	345.63
27 14 23 16-0147 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,044.12	345.63
27 14 23 16-0148 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,257.65	345.63
27 14 23 16-0149 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0128)</small>		
27 14 23 16-0150 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,148.33	296.25
27 14 23 16-0151 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,963.60	296.25
27 14 23 16-0152 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,444.39	296.25
27 14 23 16-0153 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,116.20	296.25
27 14 23 16-0154 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,398.58	296.25
27 14 23 16-0155 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,162.32	345.63
27 14 23 16-0156 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,615.05	345.63
27 14 23 16-0157 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,617.52	345.63
27 14 23 16-0158 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,041.73	345.63
27 14 23 16-0159 Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small>		
<small>Note: For non-conduit installations such as cable trays, surface runways, etc.</small>		
27 14 23 16-0160 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0161 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0162 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0163 MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	924.92	395.00
27 14 23 16-0164 MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,005.26	395.00
27 14 23 16-0165 MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,032.09	395.00
27 14 23 16-0166 MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,127.62	395.00
<i>For Aluminum Armored Cable, Add</i>		1,173.16
<i>For Steel Armored Cable, Add</i>		1,246.15
27 14 23 16-0167 MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,155.01	395.00
27 14 23 16-0168 MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,320.57	395.00
<i>For Aluminum Armored Cable, Add</i>		1,213.20
<i>For Steel Armored Cable, Add</i>		1,294.36
27 14 23 16-0169 MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,204.25	444.38
27 14 23 16-0170 MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,088.67	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,517.83
<i>For Steel Armored Cable, Add</i>		1,486.52
27 14 23 16-0171 MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,760.83	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,600.08
<i>For Steel Armored Cable, Add</i>		1,423.75
27 14 23 16-0172 MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,891.20	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,678.80
<i>For Steel Armored Cable, Add</i>		1,492.07
27 14 23 16-0173 MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,713.30	444.38
27 14 23 16-0174 MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,931.92	444.38
27 14 23 16-0175 MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,081.89	444.38
27 14 23 16-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,141.00	493.75
27 14 23 16-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,709.16	493.75
27 14 23 16-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	948.05	395.00
27 14 23 16-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,044.52	395.00
27 14 23 16-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,174.67	395.00

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27 14 23 16-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,385.91	395.00
<i>For Aluminum Armored Cable, Add</i>	1,154.47	
<i>For Steel Armored Cable, Add</i>	1,224.14	
27 14 23 16-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,490.45	395.00
27 14 23 16-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,892.50	395.00
<i>For Aluminum Armored Cable, Add</i>	1,184.55	
<i>For Steel Armored Cable, Add</i>	1,262.02	
27 14 23 16-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,563.32	444.38
27 14 23 16-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,078.58	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,660.25	
<i>For Steel Armored Cable, Add</i>	1,630.38	
27 14 23 16-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,113.12	444.38
27 14 23 16-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,078.50	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,786.09	
27 14 23 16-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,013.27	444.38
27 14 23 16-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,006.78	444.38
27 14 23 16-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,231.19	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,319.14	
27 14 23 16-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,936.36	493.75
27 14 23 16-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,327.21	493.75
27 14 23 16-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0161)</small>		
27 14 23 16-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	962.54	395.00
27 14 23 16-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,063.82	395.00
27 14 23 16-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,200.49	395.00
27 14 23 16-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,422.29	395.00
27 14 23 16-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,532.05	395.00
27 14 23 16-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,954.21	395.00
27 14 23 16-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,704.45	444.38
27 14 23 16-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,191.92	444.38
27 14 23 16-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,331.74	444.38
27 14 23 16-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,345.39	444.38
27 14 23 16-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,326.90	444.38
27 14 23 16-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,370.09	444.38
27 14 23 16-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,705.71	444.38
27 14 23 16-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,642.03	493.75
27 14 23 16-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	20,252.42	493.75
27 14 23 16-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0160)</small>		
27 14 23 16-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,669.55	395.00
27 14 23 16-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,969.19	395.00
27 14 23 16-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,628.37	395.00
27 14 23 16-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,942.95	395.00
27 14 23 16-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,086.11	395.00
27 14 23 16-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,347.36	444.38
27 14 23 16-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,728.14	444.38
27 14 23 16-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,467.19	444.38
27 14 23 16-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,602.03	444.38
27 14 23 16-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,960.07	395.00
27 14 23 16-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,104.54	395.00
27 14 23 16-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,695.85	395.00
27 14 23 16-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,271.93	395.00
27 14 23 16-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,975.07	395.00
27 14 23 16-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,131.48	444.38



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27 14 23 16-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,574.58	444.38
27 14 23 16-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,835.96	444.38
27 14 23 16-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,763.19	444.38
27 14 23 16-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0210)</small>		
27 14 23 16-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,025.16	395.00
27 14 23 16-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,176.85	395.00
27 14 23 16-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,797.73	395.00
27 14 23 16-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,402.61	395.00
27 14 23 16-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,140.91	395.00
27 14 23 16-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,351.02	444.38
27 14 23 16-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,866.28	444.38
27 14 23 16-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,290.72	444.38
27 14 23 16-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,364.32	444.38
27 14 23 16-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0159)</small>		
27 14 23 16-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	867.42	395.00
27 14 23 16-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	870.58	395.00
27 14 23 16-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,036.21	395.00
27 14 23 16-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,055.60	395.00
<i>For Aluminum Armored Cable, Add</i>	897.57	
<i>For Steel Armored Cable, Add</i>	1,501.91	
27 14 23 16-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,153.17	395.00
27 14 23 16-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,171.42	395.00
<i>For Aluminum Armored Cable, Add</i>	962.09	
<i>For Steel Armored Cable, Add</i>	1,566.37	
27 14 23 16-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,413.33	444.38
27 14 23 16-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,040.60	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	625.78	
<i>For Steel Armored Cable, Add</i>	715.02	
27 14 23 16-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,700.89	444.38
27 14 23 16-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,817.85	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	120.01	
<i>For Steel Armored Cable, Add</i>	260.61	
27 14 23 16-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,769.61	444.38
27 14 23 16-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,785.80	444.38
27 14 23 16-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,897.64	444.38
27 14 23 16-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	946.50	395.00
27 14 23 16-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	936.81	395.00
27 14 23 16-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,178.05	395.00
27 14 23 16-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,271.32	395.00
<i>For Aluminum Armored Cable, Add</i>	1,011.09	
<i>For Steel Armored Cable, Add</i>	1,615.40	
27 14 23 16-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,488.93	395.00
27 14 23 16-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,771.81	395.00
<i>For Aluminum Armored Cable, Add</i>	1,020.17	
<i>For Steel Armored Cable, Add</i>	1,624.44	
27 14 23 16-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,190.58	444.38
27 14 23 16-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,504.21	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	286.22	
<i>For Steel Armored Cable, Add</i>	568.31	
27 14 23 16-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,658.08	444.38
27 14 23 16-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,431.45	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	140.24	

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27 14 23 16-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,426.58	444.38
27 14 23 16-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,972.91	444.38
27 14 23 16-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,135.50	444.38
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,183.24</i>	
27 14 23 16-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0242)</small>		
27 14 23 16-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	960.90	395.00
27 14 23 16-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	950.74	395.00
27 14 23 16-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,204.04	395.00
27 14 23 16-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,301.97	395.00
27 14 23 16-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,530.46	395.00
27 14 23 16-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,827.48	395.00
27 14 23 16-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,363.08	444.38
27 14 23 16-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,692.39	444.38
27 14 23 16-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,953.95	444.38
27 14 23 16-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,765.99	444.38
27 14 23 16-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,810.88	444.38
27 14 23 16-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,434.52	444.38
27 14 23 16-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,755.25	444.38
27 14 23 16-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0241)</small>		
27 14 23 16-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,585.90	395.00
27 14 23 16-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,950.46	395.00
27 14 23 16-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,826.86	395.00
27 14 23 16-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,685.76	395.00
27 14 23 16-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,056.55	395.00
27 14 23 16-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,590.79	444.38
27 14 23 16-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,365.59	444.38
27 14 23 16-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,947.85	444.38
27 14 23 16-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,638.23	444.38
27 14 23 16-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,234.12	395.00
27 14 23 16-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,010.57	395.00
27 14 23 16-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,468.46	395.00
27 14 23 16-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,108.28	395.00
27 14 23 16-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,329.60	395.00
27 14 23 16-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,013.27	444.38
27 14 23 16-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	8,396.82	444.38
27 14 23 16-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,208.70	444.38
27 14 23 16-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,422.23	444.38
27 14 23 16-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0285)</small>		
27 14 23 16-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,312.91	395.00
27 14 23 16-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,128.18	395.00
27 14 23 16-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,608.97	395.00



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,280.78	395.00
27 14 23 16-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,563.16	395.00
27 14 23 16-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,326.90	444.38
27 14 23 16-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,779.63	444.38
27 14 23 16-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,782.10	444.38
27 14 23 16-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,206.31	444.38
27 14 23 16-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0316)</small>		
27 14 23 16-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,146.69	296.25
27 14 23 16-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,753.31	296.25
27 14 23 16-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,020.65	345.63
27 14 23 16-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,732.62	345.63
27 14 23 16-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0316)</small>		
27 14 23 16-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,361.83	296.25
27 14 23 16-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,064.14	296.25
27 14 23 16-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	3,441.97	345.63
27 14 23 16-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	10,045.95	345.63
27 14 23 16-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 14 23 16-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,311.27	395.00
27 14 23 16-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,917.89	395.00
27 14 23 16-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,185.23	444.38
27 14 23 16-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,897.20	444.38
27 14 23 16-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <small>(27 14 23 16-0327)</small>		
27 14 23 16-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,526.41	395.00
27 14 23 16-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,228.72	395.00
27 14 23 16-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	3,606.55	444.38
27 14 23 16-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	10,210.53	444.38
27 14 23 16-0338 Outdoor Fiber Optic Cable <small>(27 14 23 16)</small>		
27 14 23 16-0339 Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Excludes conduit or innerduct.		
27 14 23 16-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0339)</small>		
27 14 23 16-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,208.44	592.51
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.66	
27 14 23 16-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,220.99	592.51
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.84	
27 14 23 16-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,233.71	592.51
<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	118.82	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,246.26 119.00	592.51
27 14 23 16-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,271.51 119.18	592.51
27 14 23 16-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,331.46 115.00	592.51
27 14 23 16-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,369.10 115.52	592.51
27 14 23 16-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,458.65 122.32	592.51
27 14 23 16-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,552.92 123.54	592.51
27 14 23 16-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,645.78 124.76	592.51
27 14 23 16-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,768.28 150.02	592.51
27 14 23 16-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,010.12 161.00	592.51
27 14 23 16-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,253.18 190.63	592.51
27 14 23 16-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,504.97 205.60	592.51
27 14 23 16-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0357 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,327.92 119.41	592.51
27 14 23 16-0358 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,457.96 122.14	592.51
27 14 23 16-0359 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,591.07 122.49	592.51
27 14 23 16-0360 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,722.80 123.02	592.51
27 14 23 16-0361 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,986.25 125.11	592.51
27 14 23 16-0362 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,402.68 126.85	592.51
27 14 23 16-0363 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,797.86 128.24	592.51
27 14 23 16-0364 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,601.45 151.59	592.51
27 14 23 16-0365 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,409.93 162.74	592.51
27 14 23 16-0366 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,217.18 173.89	592.51
27 14 23 16-0367 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,065.73 208.91	592.51
27 14 23 16-0368 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,776.94 239.93	592.51
27 14 23 16-0369 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,507.85 289.75	592.51
27 14 23 16-0370 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,273.07 292.20	592.51
27 14 23 16-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0340)</small>		
27 14 23 16-0372 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,264.08 99.94	592.51
27 14 23 16-0373 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,360.17 107.18	592.51
27 14 23 16-0374 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,456.11 114.24	592.51
27 14 23 16-0375 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,574.63 130.05	592.51
27 14 23 16-0376 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,744.37 135.61	592.51
27 14 23 16-0377 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,044.46 144.53	592.51
27 14 23 16-0378 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,328.73 166.21	592.51
27 14 23 16-0379 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,872.78 184.70	592.51
27 14 23 16-0380 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,509.12 212.37	592.51
27 14 23 16-0381 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,096.87 228.52	592.51
27 14 23 16-0382 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,717.21 258.65	592.51
27 14 23 16-0383 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,971.86 290.82	592.51



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0384 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,246.66 330.05	592.51
27 14 23 16-0385 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,541.14 303.17	592.51
27 14 23 16-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0388 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,292.42 148.11	592.51
27 14 23 16-0389 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,305.15 148.11	592.51
27 14 23 16-0390 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,317.51 148.81	592.51
27 14 23 16-0391 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,330.24 148.80	592.51
27 14 23 16-0392 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,355.15 149.85	592.51
27 14 23 16-0393 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,410.21 151.24	592.51
27 14 23 16-0394 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,447.85 152.11	592.51
27 14 23 16-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,541.76 151.42	592.51
27 14 23 16-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,636.03 156.82	592.51
27 14 23 16-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,728.89 158.91	592.51
27 14 23 16-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,858.71 169.02	592.51
27 14 23 16-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,107.70 192.53	592.51
27 14 23 16-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,389.27 200.38	592.51
27 14 23 16-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,619.09 221.47	592.51
27 14 23 16-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,410.91 151.41	592.51
27 14 23 16-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,541.42 155.59	592.51
27 14 23 16-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,548.79 157.99	592.51
27 14 23 16-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,803.12 163.09	592.51
27 14 23 16-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,064.66 170.92	592.51
27 14 23 16-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,474.29 183.12	592.51
27 14 23 16-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,866.69 194.62	592.51
27 14 23 16-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,670.28 236.62	592.51
27 14 23 16-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,473.70 242.02	592.51
27 14 23 16-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,279.73 261.72	592.51
27 14 23 16-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,123.40 288.90	592.51
27 14 23 16-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,831.31 285.06	592.51
27 14 23 16-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,650.03 293.59	592.51
27 14 23 16-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,331.96 333.15	592.51
27 14 23 16-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0386)</small>		
27 14 23 16-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,328.96 125.45	592.51
27 14 23 16-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,423.05 135.61	592.51
27 14 23 16-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,516.99 145.76	592.51
27 14 23 16-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,611.08 155.90	592.51

27 Communications
27 10 Structured Cabling
27 14 Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,854.81 167.69	592.51
27 14 23 16-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,093.81 196.50	592.51
27 14 23 16-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,386.66 213.44	592.51
27 14 23 16-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,953.51 263.71	592.51
27 14 23 16-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,530.96 302.14	592.51
27 14 23 16-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,110.40 336.45	592.51
27 14 23 16-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,719.67 375.20	592.51
27 14 23 16-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,956.03 442.41	592.51
27 14 23 16-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,083.15 457.34	592.51
27 14 23 16-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,487.03 472.12	592.51
27 14 23 16-0432 Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Excludes trenching.		
27 14 23 16-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0435 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,126.14 118.66	
27 14 23 16-0436 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,138.69 118.84	
27 14 23 16-0437 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,151.41 118.82	
27 14 23 16-0438 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,163.96 119.00	
27 14 23 16-0439 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,189.21 119.18	
27 14 23 16-0440 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,249.16 115.00	
27 14 23 16-0441 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,286.80 115.52	
27 14 23 16-0442 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,376.35 122.32	
27 14 23 16-0443 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,470.62 123.54	
27 14 23 16-0444 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,563.48 124.76	
27 14 23 16-0445 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,685.98 150.02	
27 14 23 16-0446 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,927.82 161.00	
27 14 23 16-0447 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,170.88 190.63	
27 14 23 16-0448 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,422.67 205.60	
27 14 23 16-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0450 MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,245.62 119.41	
27 14 23 16-0451 MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,375.66 122.14	
27 14 23 16-0452 MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,508.77 122.49	
27 14 23 16-0453 MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,640.50 123.02	
27 14 23 16-0454 MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,903.95 125.11	
27 14 23 16-0455 MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,320.38 126.85	
27 14 23 16-0456 MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,715.56 128.24	
27 14 23 16-0457 MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,519.15 151.59	
27 14 23 16-0458 MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,327.63 162.74	
27 14 23 16-0459 MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,134.88 173.89	
27 14 23 16-0460 MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,983.43 208.91	



Communications	27
Structured Cabling	27 10
Communications Cabling	27 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0461 MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,694.64 239.93	
27 14 23 16-0462 MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,425.55 289.75	
27 14 23 16-0463 MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,190.77 292.20	
27 14 23 16-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0433)</small>		
27 14 23 16-0465 MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,181.78 99.94	
27 14 23 16-0466 MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,277.87 107.18	
27 14 23 16-0467 MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,373.81 114.24	
27 14 23 16-0468 MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,492.33 130.05	
27 14 23 16-0469 MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,662.07 135.61	
27 14 23 16-0470 MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,962.16 144.53	
27 14 23 16-0471 MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,246.43 166.21	
27 14 23 16-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,790.48 184.70	
27 14 23 16-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,426.82 212.37	
27 14 23 16-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,014.57 228.52	
27 14 23 16-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,634.91 258.65	
27 14 23 16-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,889.56 290.82	
27 14 23 16-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,164.36 330.05	
27 14 23 16-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,458.84 303.17	
27 14 23 16-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0432)</small>		
27 14 23 16-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,210.12 148.11	
27 14 23 16-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,222.85 148.11	
27 14 23 16-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,235.21 148.81	
27 14 23 16-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,247.94 148.80	
27 14 23 16-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,272.85 149.85	
27 14 23 16-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,327.91 151.24	
27 14 23 16-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,365.55 152.11	
27 14 23 16-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,459.46 151.42	
27 14 23 16-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,553.73 156.82	
27 14 23 16-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,646.59 158.91	
27 14 23 16-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,776.41 169.02	
27 14 23 16-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,025.40 192.53	
27 14 23 16-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,306.97 200.38	
27 14 23 16-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,536.79 221.47	
27 14 23 16-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,328.61 151.41	
27 14 23 16-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,459.12 155.59	
27 14 23 16-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,466.49 157.99	

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 23 16-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,720.82 163.09	
27 14 23 16-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,982.36 170.92	
27 14 23 16-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,391.99 183.12	
27 14 23 16-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,784.39 194.62	
27 14 23 16-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,587.98 236.62	
27 14 23 16-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,391.40 242.02	
27 14 23 16-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,197.43 261.72	
27 14 23 16-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,041.10 288.90	
27 14 23 16-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,749.01 285.06	
27 14 23 16-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,567.73 293.59	
27 14 23 16-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,249.66 333.15	
27 14 23 16-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0479)</small>		
27 14 23 16-0511 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,246.66 125.45	
27 14 23 16-0512 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,340.75 135.61	
27 14 23 16-0513 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,434.69 145.76	
27 14 23 16-0514 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,528.78 155.90	
27 14 23 16-0515 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,772.51 167.69	
27 14 23 16-0516 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,011.51 196.50	
27 14 23 16-0517 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,304.36 213.44	
27 14 23 16-0518 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,871.21 263.71	
27 14 23 16-0519 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,448.66 302.14	
27 14 23 16-0520 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,028.10 336.45	
27 14 23 16-0521 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,637.37 375.20	
27 14 23 16-0522 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,873.73 442.41	
27 14 23 16-0523 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,190.96 457.34	
27 14 23 16-0524 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,404.73 472.12	
27 14 23 16-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0338)</small>		
27 14 23 16-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0525)</small>		
27 14 23 16-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <small>(27 14 23 16-0526)</small>		
27 14 23 16-0528 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,209.61 115.69	2,225.41
27 14 23 16-0529 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,224.07 116.22	2,225.41
27 14 23 16-0530 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,238.71 116.57	2,225.41
27 14 23 16-0531 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,253.52 116.91	2,225.41
27 14 23 16-0532 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,282.61 117.79	2,225.41
27 14 23 16-0533 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,345.52 119.70	2,225.41
27 14 23 16-0534 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,389.25 121.27	2,225.41
27 14 23 16-0535 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,497.45 124.41	2,225.41
27 14 23 16-0536 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,581.27 141.66	2,225.41
27 14 23 16-0537 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,705.50 144.45	2,225.41



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27 14 23 16-0538 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,821.02 163.43	2,225.41
27 14 23 16-0539 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,088.83 181.38	2,225.41
27 14 23 16-0540 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,358.37 211.00	2,225.41
27 14 23 16-0541 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,643.43 234.35	2,225.41
27 14 23 16-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 14 23 16-0543 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0544 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,007.03	493.75
27 14 23 16-0545 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,853.43	493.75
27 14 23 16-0546 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,738.91	493.75
27 14 23 16-0547 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 14 23 16-0542)</small>		
27 14 23 16-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,086.57	493.75
27 14 23 16-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,567.57	493.75
27 14 23 16-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,671.58	493.75
27 14 23 16-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0338)</small> Note: Singlemode and multimode combination cable. Excludes trenching.		
27 14 23 16-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	2,924.73	452.61
27 14 23 16-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,771.13	452.61
27 14 23 16-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,656.61	452.61
27 14 23 16-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench <small>(27 14 23 16-0551)</small>		
27 14 23 16-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,004.27	452.61
27 14 23 16-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,485.27	452.61
27 14 23 16-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,589.28	452.61
27 14 23 16-0560 Network Communications Cabling And Related Products <small>(27 14 23 16)</small>		
27 14 23 16-0561 EA AC Surge Suppression Assembly	257.05	10.28
Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.		
27 14 23 16-0562 EA Single Mode Fiber Optic To Ethernet Media Converter	431.41	12.35
Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.		
27 14 23 16-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends.....	23.13	1.32
Note: Includes testing.		
27 14 23 16-0564 EA KVM (Keyboard, Video, Mouse) Cable	52.39	1.65
Note: Raritan CCP40. Includes testing.		
27 14 23 16-0565 EA 6' Long USB (Universal Serial Bus) Cable.....	8.25	1.32
Note: Includes testing.		
27 14 23 16-0566 EA 10' Long USB (Universal Serial Bus) Cable.....	9.74	1.65
Note: Includes testing.		
27 14 23 16-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End.....	10.52	1.32
Note: Includes testing.		
27 14 23 16-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End	12.01	1.65
Note: Includes testing.		
27 14 23 16-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends	17.17	1.32
Note: Includes testing.		
27 14 23 16-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends	37.00	1.65
Note: Includes testing.		
27 14 23 16-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	29.25	1.32
Note: Includes testing.		
27 14 23 16-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other	37.00	1.65
Note: Includes testing.		
27 14 23 16-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other	54.36	1.32
Note: Includes testing.		
27 14 23 16-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other.....	54.36	1.32
Note: Includes testing.		
27 14 23 16-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	0.63	
Note: Corning part no. 006ESF-T4101D20. Includes testing.		
27 14 23 16-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable.....	4.90	
Note: Corning part no. 012ESF-T4101D20. Includes testing.		

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27 14 23 16-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 024EW4-T4101D20. Includes testing.	5.98	
27 14 23 16-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 072EW4-T4101D20. Includes testing.	9.73	
27 14 23 16-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 144EW4-T4101D20. Includes testing.	15.27	
27 14 23 16-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable..... Note: Corning part no. 036E81-61131-24. Includes testing.	9.33	
27 14 23 16-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable..... Note: Corning part no. 072E81-T3131-24. Includes testing.	14.33	
27 14 23 16-0582 EA Aerial Storage Unit..... Note: Alcola part no. FSU-16. Includes testing.	70.96	8.23
27 14 23 16-0583 EA Spider Fan-Out Kits With SC Connectors..... Note: Corning part no. SFK-P-12-900-S.	85.90	8.23
27 14 23 16-0584 LF Ultraviolet Resistant Rated Category 6 Cable..... Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	0.84	0.15
27 14 23 16-0585 LF RG11 Coaxial Cable NEC CMR..... Note: Corning part no. SFK-P-12-900-S.	3.17	1.54
27 14 23 16-0586 LF Outdoor Rated UL Type CL2..... Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	3.11	
27 14 23 16-0587 LF Indoor Plenum Rated UL Type CMP..... Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	4.40	1.54

27 14 33 Communications Coaxial Cabling (27 14)**27 14 33 16 Communications Coaxial Cabling (27 14 33)**

27 14 33 16-0001	Indoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0002	Coaxial, Indoor Telecommunications Cable (27 14 33 16-0001)		
27 14 33 16-0003	Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 14 33 16-0002)		
27 14 33 16-0004	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	978.02	345.63
27 14 33 16-0005	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	2,124.58	345.63
27 14 33 16-0006	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	851.90	395.00
27 14 33 16-0007	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	2,658.51	395.00
27 14 33 16-0008	Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 14 33 16-0002)		
27 14 33 16-0009	MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108).....	1,554.06	691.26
27 14 33 16-0010	MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108).....	2,700.62	691.26
27 14 33 16-0011	MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114).....	1,510.25	790.00
27 14 33 16-0012	MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120).....	3,316.86	790.00
27 14 33 16-0013	Coaxial Distribution Cable (27 14 33 16-0001)		
	Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal		
27 14 33 16-0014	MLF RG-6/U Coaxial Distribution Cable, In Conduit.....	1,529.37	240.74
27 14 33 16-0015	MLF RG-6A/U Coaxial Distribution Cable, In Conduit.....	5,386.24	240.74
27 14 33 16-0016	MLF RG-8/U Coaxial Distribution Cable, In Conduit.....	2,891.20	254.29
27 14 33 16-0017	MLF RG-8A/U Coaxial Distribution Cable, In Conduit.....	3,615.68	254.29
27 14 33 16-0018	MLF RG-11/U Coaxial Distribution Cable, In Conduit.....	3,247.07	300.93
27 14 33 16-0019	MLF RG-11A/U Coaxial Distribution Cable, In Conduit.....	4,648.17	300.93
27 14 33 16-0020	MLF RG-11/U Coaxial Distribution Cable, In Plenum.....	10,409.66	601.87
27 14 33 16-0021	MLF RG-58/U Coaxial Distribution Cable, In Conduit.....	1,141.75	210.66
27 14 33 16-0022	MLF RG-58A/U Coaxial Distribution Cable, In Conduit.....	1,285.31	210.66
27 14 33 16-0023	MLF RG-58C/U Coaxial Distribution Cable, In Conduit.....	1,538.21	210.66
27 14 33 16-0024	MLF RG-58/U Coaxial Distribution Cable, In Plenum.....	3,716.71	421.30
27 14 33 16-0025	MLF RG-59/U Coaxial Distribution Cable, In Conduit.....	1,812.46	210.66
27 14 33 16-0026	MLF RG-59/U Coaxial Distribution Cable, In Plenum.....	4,469.16	421.30
27 14 33 16-0027	MLF 1/2" Hard Line Coaxial, In Conduit.....	1,870.81	421.30
27 14 33 16-0028	Outdoor Coaxial Cable (27 14 33 16)		
27 14 33 16-0029	Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 14 33 16-0028)		
	Note: Corrugated steel armor jacket.		
27 14 33 16-0030	MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	4,412.28	1,126.39
27 14 33 16-0031	MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	2,799.58	792.28
27 14 33 16-0032	MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	2,321.83	467.42
27 14 33 16-0033	MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	1,316.19	467.42
27 14 33 16-0034	MLF TV Coaxial Cable Drop 1/4" Diameter, Placed In Conduit.....	1,973.54	730.36

27 14 43 Communications Faceplates And Connectors (27 14)

27 14 43 00-0001 Wall Mounted Telephone Faceplates (27 14 43)
Note: Includes standard telephone mounting studs.



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27 14 43 00-0002 Plastic Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0001)</small>		
27 14 43 00-0003 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	27.09	10.28
27 14 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones <small>(27 14 43 00-0001)</small>		
27 14 43 00-0005 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	22.78	4.12
	<small>Note: Requires one snap-in modular jack.</small>	
27 14 43 00-0006 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	40.23	10.28
27 14 43 00-0007 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	46.89	12.35
27 14 43 00-0008 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	21.93	4.12
	<small>Note: Requires one snap-in modular jack.</small>	
27 14 43 00-0009 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	36.64	10.28
27 14 43 00-0010 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	43.39	12.35
27 14 43 00-0011 Plastic Communications Faceplates <small>(27 14 43)</small>		
	<small>Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.</small>	
27 14 43 00-0012 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.47	2.06
27 14 43 00-0013 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.47	2.06
27 14 43 00-0014 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0015 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID	6.47	2.06
27 14 43 00-0016 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	6.47	2.06
27 14 43 00-0017 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID	9.60	2.06
27 14 43 00-0018 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0019 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0020 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	9.60	2.06
27 14 43 00-0021 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	9.60	2.06
27 14 43 00-0022 Stainless Steel Communications Faceplates <small>(27 14 43)</small>		
	<small>Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.</small>	
27 14 43 00-0023 Stainless Steel Communications Faceplates <small>(27 14 43 00-0022)</small>		
27 14 43 00-0024 EA One Port, Single Gang, Stainless Steel Communications Faceplate.....	12.13	2.06
27 14 43 00-0025 EA Two Port, Single Gang, Stainless Steel Communications Faceplate.....	12.13	2.06
27 14 43 00-0026 EA Three Port, Single Gang, Stainless Steel Communications Faceplate	12.13	2.06
27 14 43 00-0027 EA Four Port, Single Gang, Stainless Steel Communications Faceplate	12.96	2.06
27 14 43 00-0028 EA Six Port, Single Gang, Stainless Steel Communications Faceplate.....	12.96	2.06
27 14 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate.....	17.43	2.06
27 14 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate	17.95	2.06
27 14 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate	20.75	2.06
27 14 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	20.75	2.06
27 14 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	20.75	2.06
27 14 43 00-0034 Stainless Steel Communications Faceplates With Station ID <small>(27 14 43 00-0022)</small>		
27 14 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	17.33	2.06
27 14 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	37.17	2.06
27 14 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	37.17	2.06
27 14 43 00-0045 Surface Mount Plastic Communication Boxes <small>(27 14 43)</small>		
	<small>Note: Excludes modular jacks. See CSI section 27 14 43 00-0051 for modular jacks.</small>	
27 14 43 00-0046 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	23.57	10.30
27 14 43 00-0047 EA Two Port, Surface Mount Plastic Communication Box With Station ID	24.09	10.30
27 14 43 00-0048 EA Four Port, Surface Mount Plastic Communication Box With Station ID	27.68	10.30
27 14 43 00-0049 EA Six Port, Surface Mount Plastic Communication Box With Station ID	31.94	10.30
27 14 43 00-0050 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID	36.40	10.30
27 14 43 00-0051 Snap-In Modular Jacks <small>(27 14 43)</small>		
	<small>Note: Includes termination.</small>	
27 14 43 00-0052 EA Cat 3, Snap-In Modular Jack	22.40	8.24
27 14 43 00-0053 EA Cat 5E, Snap-In Modular Jack.....	23.55	8.24
27 14 43 00-0054 EA Cat 5E Shielded, Snap-In Modular Jack	26.97	8.24
27 14 43 00-0055 EA Cat 6, Snap-In Modular Jack	26.97	8.24
27 14 43 00-0056 EA Cat 6 Shielded, Snap-In Modular Jack	30.82	8.24
27 14 43 00-0057 EA Cat 6A, Snap-In Modular Jack.....	31.40	8.24
27 14 43 00-0058 EA Voice, RJ-11, Snap-In Modular Jack	14.51	4.13
27 14 43 00-0059 EA SC Type Fiber Optic, Snap-In Modular Jack.....	25.00	8.24
27 14 43 00-0060 EA ST Type Fiber Optic, Snap-In Modular Jack.....	27.91	8.24
27 14 43 00-0061 EA LC Type Fiber Optic, Snap-In Modular Jack.....	33.62	8.24
27 14 43 00-0062 EA Blank Fill In, Snap-In Modular Jack	4.67	2.06

27	Communications
27 10	Structured Cabling
27 14	Communications Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 43 00-0063 EA Open Cable Pass Through Insert, Snap-In Modular Jack.....	5.23	2.06
27 14 43 00-0064 EA Coaxial F-Type Coupler, Snap-In Modular Jack	18.71	6.18
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>	1.11	
27 14 43 00-0065 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack	18.92	6.18
Note: Includes female to female connection.		
27 14 43 00-0066 EA RCA Solder Coupler, Snap-In Modular Jack.....	37.85	8.24
27 14 43 00-0067 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	46.27	8.24
27 14 43 00-0068 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	23.23	8.24
27 14 43 00-0069 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack	24.32	4.13
27 14 43 00-0070 EA BNC Connector, Snap-In Modular Jack	26.66	8.24
27 14 43 00-0071 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	29.78	8.24
27 14 43 00-0072 PR Speaker Connectors, Snap-In Modular Jack	38.05	12.37
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 14 43 00-0073 EA USB Audio Video Connector, Snap-In Modular Jack.....	44.12	8.24
27 14 43 00-0074 Communications Equipment Labeling (27 14 43)		
27 14 43 00-0075 EA Label Both Ends Of One 4 Pair Cable	16.20	
27 14 43 00-0076 EA Label single gang face plate (2 labels required)	12.96	
27 14 43 00-0077 EA Label two gang face plate (4 labels required).....	19.43	
27 14 43 00-0078 EA Label both ends of a Siamese (dual 4 Pair cable).....	16.20	
27 14 53 Communications Cable Innerduct (27 14)		
Note: Includes pull rope. Excludes conduit.		
27 14 53 00-0001 Indoor Innerduct (27 14 53)		
27 14 53 00-0002 Indoor Innerduct, Installed In Conduit (27 14 53 00-0001)		
27 14 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,065.58	1,234.38
27 14 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	3,990.10	1,645.84
27 14 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,244.76	2,057.31
27 14 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,156.57	2,468.76
27 14 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit (27 14 53 00-0002)		
27 14 53 00-0009 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit	4,335.41	1,234.38
27 14 53 00-0010 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	5,475.80	1,645.84
27 14 53 00-0011 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,213.00	2,057.31
27 14 53 00-0012 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,696.23	2,468.76
27 14 53 00-0013 Indoor Innerduct, Installed Exposed (27 14 53 00-0001)		
27 14 53 00-0014 Riser Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0015 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed	3,888.51	1,645.84
27 14 53 00-0016 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	4,813.02	2,057.31
27 14 53 00-0017 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	6,067.68	2,468.76
27 14 53 00-0018 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed	6,979.49	2,880.23
27 14 53 00-0019 Plenum Rated, Indoor Innerduct, Installed Exposed (27 14 53 00-0013)		
27 14 53 00-0020 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	5,158.34	1,645.84
27 14 53 00-0021 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	6,298.72	2,057.31
27 14 53 00-0022 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	8,035.92	2,468.76
27 14 53 00-0023 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,519.15	2,880.23
27 14 53 00-0024 Outdoor Innerduct (27 14 53)		
27 14 53 00-0025 Outdoor Innerduct, Installed In Conduit (27 14 53 00-0024)		
27 14 53 00-0026 MLF 1" Outdoor Innerduct, Installed In Conduit.....	2,913.20	1,234.38
27 14 53 00-0027 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	3,765.39	1,645.84
27 14 53 00-0028 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	4,790.41	2,057.31
27 14 53 00-0029 MLF 2" Outdoor Innerduct, Installed In Conduit	5,726.60	2,468.76
27 14 53 00-0030 Outdoor Innerduct, Buried In Trench (27 14 53 00-0024)		
27 14 53 00-0031 MLF 1" Outdoor Innerduct, Buried In Trench	2,090.28	
27 14 53 00-0032 MLF 1-1/4" Outdoor Innerduct, Buried In Trench	2,942.46	
27 14 53 00-0033 MLF 1-1/2" Outdoor Innerduct, Buried In Trench	3,967.49	
27 14 53 00-0034 MLF 2" Outdoor Innerduct, Buried In Trench	4,903.68	
27 14 63 Communications Multimedia Modular Patch Panels (27 14)		
27 14 63 00-0001 Communications Multimedia Modular Patch Panels (27 14 63)		
Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 14 43 00-0051 for modular jacks.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 14 63 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	72.65	4.12
27 14 63 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	80.12	4.12
27 14 63 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	94.58	4.12
27 14 63 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	99.03	4.12
27 14 63 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	108.39	5.14
27 14 63 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	102.71	4.12
27 14 63 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	128.89	5.14
27 14 63 00-0009 EA Rack Mount Rear Cable Management Bar	36.08	5.14

27 16 Communications Connecting Cords, Devices, And Adapters (27 10)

27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)

27 16 16 00-0001 Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles	482.04	41.14
27 16 16 00-0003 EA Fiber Optic MM Dual Video Receiver, Manual Gain	604.58	81.05
Note: With video presence Ind, RM.		
27 16 16 00-0004 Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0005 EA Fiber Optic Transmitter, Range 6.2 Miles	482.03	41.14
27 16 16 00-0006 EA Fiber Optic MM Dual Video Transmitter Video Presence Indicator.....	604.58	81.05
27 16 16 00-0007 Fiber Optic Repeaters (27 16 16)		
Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	564.31	82.30
27 16 16 00-0009 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	905.67	164.58
27 16 16 00-0010 Fiber Optic Transceivers (27 16 16)		
27 16 16 00-0011 EA Fiber Optic Transceivers, 3,000 Miles Range	634.52	164.58
27 16 16 00-0012 EA Fiber Optic Transceivers, Digital 2,000 Miles Range	634.52	164.58
27 16 16 00-0013 EA Fiber Optic Ethernet Transceiver	825.33	246.88
27 16 16 00-0014 EA Transceiver (Low Cost Bi- Directional)	281.58	61.72

27 16 19 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 16)

27 16 19 00-0001 Cross Connect Wire (27 16 19)		
Note: Up to 20' length.		
27 16 19 00-0002 EA 2-Pair Cross Connect Wire	13.18	
27 16 19 00-0003 EA 3-Pair Cross Connect Wire	17.65	
27 16 19 00-0004 EA 4-Pair Cross Connect Wire	22.08	
27 16 19 00-0005 Fiber Optic Patch Cords (27 16 19)		
27 16 19 00-0006 Simplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)		
27 16 19 00-0008 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	30.01	
For Each Additional Meter In Length, Add		
	0.26	
27 16 19 00-0009 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	24.75	
For Each Additional Meter In Length, Add		
	0.26	
27 16 19 00-0010 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	31.59	
For Each Additional Meter In Length, Add		
	0.26	
27 16 19 00-0011 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	25.95	
For Each Additional Meter In Length, Add		
	0.26	
27 16 19 00-0012 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	29.79	
For Each Additional Meter In Length, Add		
	0.26	
27 16 19 00-0013 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	29.36	
For Each Additional Meter In Length, Add		
	0.26	
27 16 19 00-0014 Duplex Fiber Optic Patch Cables (27 16 19 00-0005)		
27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)		
27 16 19 00-0016 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	51.15	
For Each Additional Meter In Length, Add		
	0.51	
27 16 19 00-0017 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	49.67	
For Each Additional Meter In Length, Add		
	0.51	
27 16 19 00-0018 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	54.94	
For Each Additional Meter In Length, Add		
	0.51	
27 16 19 00-0019 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	43.05	
For Each Additional Meter In Length, Add		
	0.51	
27 16 19 00-0020 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	50.72	
For Each Additional Meter In Length, Add		
	0.51	
27 16 19 00-0021 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	49.88	
For Each Additional Meter In Length, Add		
	0.51	

27 Communications**27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, And Adapters**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

27 16 19 00-0022	Multimode, Duplex Fiber Optic Patch Cables <small>(27 16 19 00-0014)</small>		
27 16 19 00-0023	EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	39.00	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0024	EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	42.43	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0025	EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	42.79	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0026	EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.89	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0027	EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	39.14	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0028	EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	44.09	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0029	EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	51.54	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0030	EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	35.97	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0031	EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	43.44	
	<i>For Each Additional Meter In Length, Add</i>	1.48	
27 16 19 00-0032	Fiber Optic Cable Pig Tail <small>(27 16 19)</small>		
27 16 19 00-0033	EA Simplex Fiber Optic Cable Pig Tail	53.20	28.80
27 16 19 00-0034	EA Duplex Fiber Optic Cable Pig Tail.....	65.68	28.80
27 16 19 00-0035	Ethernet Patch Cords <small>(27 16 19)</small>		
27 16 19 00-0036	EA 3' Category 5E Patch Cables With Boots.....	13.06	
27 16 19 00-0037	EA 5' Category 5E Patch Cables With Boots.....	13.80	
27 16 19 00-0038	EA 7' Category 5E Patch Cables With Boots.....	14.53	
27 16 19 00-0039	EA 10' Category 5E Patch Cables With Boots.....	19.75	
27 16 19 00-0040	EA 15' Category 5E Patch Cables With Boots.....	21.59	
27 16 19 00-0041	EA 25' Category 5E Patch Cables With Boots.....	25.27	
27 16 19 00-0042	EA 3' Category 6 Patch Cables With Boots	14.10	
27 16 19 00-0043	EA 5' Category 6 Patch Cables With Boots	15.05	
27 16 19 00-0044	EA 7' Category 6 Patch Cables With Boots	15.99	
27 16 19 00-0045	EA 10' Category 6 Patch Cables With Boots	21.52	
27 16 19 00-0046	EA 15' Category 6 Patch Cables With Boots	23.89	
27 16 19 00-0047	EA 25' Category 6 Patch Cables With Boots	28.63	
27 16 19 00-0048	EA 50' Category 6 Patch Cables With Boots	40.46	
27 16 19 00-0049	EA 100' Category 6 Patch Cables With Boots	68.27	
27 16 19 00-0050	EA 3' Category 6A Patch Cables With Boots.....	18.06	
27 16 19 00-0051	EA 5' Category 6A Patch Cables With Boots.....	19.91	
27 16 19 00-0052	EA 7' Category 6A Patch Cables With Boots.....	21.77	
27 16 19 00-0053	EA 10' Category 6A Patch Cables With Boots.....	28.66	
27 16 19 00-0054	EA 15' Category 6A Patch Cables With Boots.....	33.30	
27 16 19 00-0055	EA 25' Category 6A Patch Cables With Boots.....	42.57	
27 16 19 00-0056	EA 50' Category 6A Patch Cables With Boots.....	65.75	
27 16 19 00-0057	EA 100' Category 6A Patch Cables With Boots.....	116.25	

27 20 Data Communications (27)**27 21 Data Communications Network Equipment** (27 20)

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems

27 21 16 00-0001	Fiber Optic Modems <small>(27 21 16)</small>		
27 21 16 00-0002	EA Fiber Optic Modems, Range 6.2 Miles.....	995.39	164.58
27 21 16 00-0003	EA Fiber Optic Modem, Range 3.1 Miles, 12 Channel	1,828.17	164.58
27 21 16 00-0004	Ethernet Hubs and Switches <small>(27 21 16)</small>		
27 21 16 00-0005	EA 16 Port Managed Hub With Fiberport And Standard Management.....	2,113.12	123.64
27 21 16 00-0006	EA 16 Port Unmanaged Hub	405.72	82.43
27 21 16 00-0007	Network Equipment <small>(27 21 16)</small>		
27 21 16 00-0008	Communications Entrance Protection <small>(27 21 16 00-0007)</small>		
27 21 16 00-0009	EA 100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	614.98	61.82
	Note: Excludes terminations.		
27 21 16 00-0010	EA Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	7.46	0.82
27 21 16 00-0011	Communications Cabinets, Racks, Frames And Enclosures <small>(27 21 16 00-0007)</small>		
27 21 16 00-0012	EA 19" Width x 24" Depth x 36" Height, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	740.79	61.82
27 21 16 00-0013	EA 10 Outlet, 125 Volt, 20 Amp Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	652.51	4.13
27 21 16 00-0014	EA Fan Kit For Telecommunications Cabinet (Chatsworth 12804-701).....	119.75	16.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0015 Communications Termination Blocks And Patch Panels <small>(27 21 16 00-0007)</small>		
27 21 16 00-0016 Communications Termination Blocks <small>(27 21 16 00-0015)</small>		
27 21 16 00-0017 EA 4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	232.73	12.35
27 21 16 00-0018 EA 5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	216.62	12.35
27 21 16 00-0019 EA 4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	518.60	12.35
27 21 16 00-0020 EA 5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	482.37	12.35
27 21 16 00-0021 EA 110 Connector System Mounting Brackets (CommScope 107535593).....	73.27	12.35
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535585).....	79.13	12.35
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107098816).....	90.09	12.35
27 21 16 00-0024 Communications Copper Patch Panels <small>(27 21 16 00-0015)</small>		
Note: Excludes cabinet and terminations.		
27 21 16 00-0025 EA 24 Port, Category 5E Patch Panel (CommScope 108208919).....	230.48	26.78
27 21 16 00-0026 EA 48 Port, Category 5E Patch Panel (CommScope 108208935).....	419.74	32.97
27 21 16 00-0027 EA 24 Port, Category 6 Patch Panel (CommScope 760062372).....	340.84	26.78
27 21 16 00-0028 EA 48 Port, Category 6 Patch Panel (CommScope 760062380).....	635.87	32.97
27 21 16 00-0029 Communications Optical Fiber Patch Panels <small>(27 21 16 00-0015)</small>		
27 21 16 00-0030 Closet Connector Housings <small>(27 21 16 00-0029)</small>		
27 21 16 00-0031 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U).....	264.12	16.48
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0032 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U).....	307.83	16.48
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U).....	383.21	16.48
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91).....	82.75	8.24
27 21 16 00-0035 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59).....	112.40	8.24
27 21 16 00-0036 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56).....	93.22	8.24
27 21 16 00-0037 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C).....	121.98	8.24
27 21 16 00-0038 Communications Cable Management <small>(27 21 16 00-0007)</small>		
27 21 16 00-0039 Horizontal Communication Cable Management <small>(27 21 16 00-0038)</small>		
27 21 16 00-0040 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE).....	88.34	16.48
27 21 16 00-0041 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E).....	91.21	16.48
27 21 16 00-0042 Vertical Communication Cable Management <small>(27 21 16 00-0038)</small>		
27 21 16 00-0043 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703).....	518.02	41.21
27 21 16 00-0044 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703).....	536.56	41.21
27 21 16 00-0045 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703).....	578.36	41.21
27 21 16 00-0046 Communications Patch Cords, Station Cords, And Cross Connect Wire <small>(27 21 16 00-0007)</small>		
27 21 16 00-0047 Premise Cross-Connect Wire <small>(27 21 16 00-0046)</small>		
27 21 16 00-0048 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973).....	0.85	0.41
27 21 16 00-0049 Pathways For Communications Systems <small>(27 21 16 00-0007)</small>		
27 21 16 00-0050 Conduits And Backboxes For Communication Systems <small>(27 21 16 00-0049)</small>		
27 21 16 00-0051 Flexible Conduit For Communication Systems <small>(27 21 16 00-0050)</small>		
27 21 16 00-0052 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C).....	338.76	148.12
27 21 16 00-0053 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C).....	488.84	148.12
27 21 16 00-0054 Tube Cables For Communication Systems <small>(27 21 16 00-0050)</small>		
27 21 16 00-0055 Outdoor/All-Dielectric Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0056 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX).....	290.90	98.75
27 21 16 00-0057 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX).....	435.29	123.44
27 21 16 00-0058 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX).....	726.65	148.12
27 21 16 00-0059 Indoor/Riser Rated Tube Cables <small>(27 21 16 00-0054)</small>		
27 21 16 00-0060 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX).....	334.63	98.75
27 21 16 00-0061 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX).....	409.86	111.09
27 21 16 00-0062 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX).....	465.66	123.44
27 21 16 00-0063 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX).....	863.91	148.12
27 21 16 00-0064 Indoor/Plenum Rated Tube Cables <small>(27 21 16 00-0054)</small>		

27	Communications
27 20	Data Communications
27 21	Data Communications Network Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0065 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	243.53	98.75
27 21 16 00-0066 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	355.28	98.75
27 21 16 00-0067 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	550.76	111.09
27 21 16 00-0068 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	804.54	123.44
27 21 16 00-0069 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,521.86	148.12
27 21 16 00-0070 Unjacketed Single Tube Cables (27 21 16 00-0054)		
27 21 16 00-0071 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	209.52	98.75
27 21 16 00-0072 Multimode Fiber Bundles (27 21 16 00-0054)		
Note: Includes optical fiber cables.		
27 21 16 00-0073 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	90.67	29.63
27 21 16 00-0074 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	138.04	29.63
27 21 16 00-0075 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	189.05	29.63
27 21 16 00-0076 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	344.52	29.63
27 21 16 00-0077 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	499.72	34.56
27 21 16 00-0078 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	655.19	34.56
27 21 16 00-0079 Singlemode Fiber Bundles (27 21 16 00-0054)		
Note: Includes optical fiber cables.		
27 21 16 00-0080 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	80.95	29.63
27 21 16 00-0081 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	101.60	29.63
27 21 16 00-0082 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	118.60	29.63
27 21 16 00-0083 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	151.40	29.63
27 21 16 00-0084 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	232.51	34.56
27 21 16 00-0085 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	306.60	34.56
27 21 16 00-0086 Tube Distribution Cabinets (27 21 16 00-0054)		
27 21 16 00-0087 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU)	176.89	41.21
Note: Up to six 7-tube cables or two 19-tube cables.		
27 21 16 00-0088 Modular Fiber Termination Cabinets (27 21 16 00-0054)		
27 21 16 00-0089 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	224.52	41.21
27 21 16 00-0090 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	239.58	41.21
27 21 16 00-0091 Tube Distribution Accessories (27 21 16 00-0054)		
27 21 16 00-0092 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	9.93	4.13
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	10.98	4.13
27 21 16 00-0094 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	13.71	4.13
27 21 16 00-0095 Communications Optical Fiber Cabling (27 21 16 00-0007)		
27 21 16 00-0096 Communications Optical Fiber Cable Splicing And Terminations (27 21 16 00-0095)		
27 21 16 00-0097 Field Installed Fiber Connectors (27 21 16 00-0096)		
27 21 16 00-0098 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	29.47	6.18
27 21 16 00-0099 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	25.99	6.18
27 21 16 00-0100 Buffer Tube Fan-Out Kits (27 21 16 00-0096)		
27 21 16 00-0101 Buffer Tube Breakout Kits (Sumitomo) (27 21 16 00-0100)		
Note: Includes 900 micron tubing.		
27 21 16 00-0102 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02)	179.16	82.30
27 21 16 00-0103 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04)	182.80	82.30
27 21 16 00-0104 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06)	186.02	82.30
27 21 16 00-0105 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12)	196.01	82.30
27 21 16 00-0106 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18)	209.69	82.30
27 21 16 00-0107 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24)	219.85	82.30
27 21 16 00-0108 Buffer Tube Fan-Out Kits (Corning) (27 21 16 00-0100)		
27 21 16 00-0109 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	180.84	82.30
27 21 16 00-0110 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	216.93	82.30
27 21 16 00-0111 Communications Copper Cabling (27 21 16 00-0007)		
27 21 16 00-0112 Copper Communications Cable Splicing And Terminations (27 21 16 00-0111)		
27 21 16 00-0113 Copper Communications Cable Splice Cases (27 21 16 00-0112)		
27 21 16 00-0114 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	695.33	164.58
27 21 16 00-0115 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	799.98	164.58
27 21 16 00-0116 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	1,147.73	164.58



Communications	27	27
Data Communications	27 20	
Data Communications Network Equipment	27 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0117 Modular Splice Connectors <small>(27 21 16 00-0112)</small>		
27 21 16 00-0118 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25).....	87.38	41.14
27 21 16 00-0119 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25).....	86.25	41.14
27 21 16 00-0120 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25).....	87.40	41.14
27 21 16 00-0121 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25).....	87.24	41.14
27 22 Data Communications Hardware <small>(27 20)</small>		
27 22 19 Data Communications Servers <small>(27 22)</small>		
27 22 19 00-0001 Network Communications Frames And Enclosures <small>(27 22 19)</small>		
27 22 19 00-0002 EA Communications Equipment Enclosure..... Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72"Hx72"Wx36"D, .0125 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19"/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.	10,923.01	247.29
27 22 19 00-0003 EA Wall Mounted Equipment Cabinet..... Note: Mid-Atlantic DWR-24-22 PD.	750.77	82.43
27 22 19 00-0004 EA APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel.....	5,908.97	
Note: UI 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Sthle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 22 19 00-0005 APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel.....	19,949.16	
Note: UI 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Sthle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 24 Data Communications Peripheral Data Equipment <small>(27 20)</small>		
27 24 33 Power Supplies, UPS And Battery Backup <small>(27 24)</small>		
27 24 33 00-0001 Network Equipment <small>(27 24 33)</small>		
27 24 33 00-0002 EA 19" Rack Mountable 110-24T Ethernet Switch..... Note: 24 x 10/100Base-TX LAN with SFP (miniGBic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.	329.83	27.40
27 24 33 00-0003 EA 19" Rack Mountable Station Access Router..... Note: Nortel Network part number SR2101031E5. Includes testing.	1,695.17	144.01
27 24 33 00-0004 EA 19" Rack Mount LCD Monitor..... Note: Nortel Network part number SR2101031E5. Includes testing.	810.68	65.84
27 24 33 00-0005 EA 1000VA UPS (Uninterruptible Power Supply)..... Note: APC SUA1000RM2U. Includes testing.	774.98	75.23
27 24 33 00-0006 EA 1000VA UPS (Uninterruptible Power Supply)..... Note: APC BR1000. Includes testing.	335.56	75.23
27 24 33 00-0007 EA 1200VA UPS (Uninterruptible Power Supply)..... Note: APC BR1200. Includes testing.	343.49	75.23
27 30 Voice Communications <small>(27)</small>		
27 31 Voice Communications Switching and Routing Equipment <small>(27 30)</small>		
Note: Includes testing of new devices and certification.		
27 31 13 PBX/Key Systems <small>(27 31)</small>		
27 31 13 00-0001 Interior PBX Telephone System <small>(27 31 13)</small>		
Note: Includes telephone instruments cabling and solid state switching.		
27 31 13 00-0002 Interior PBX Telephone System <small>(27 31 13 00-0001)</small>		
Note: Cost is for each line up to 1000 lines.		
27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000.....	1,136.16	429.28
27 31 13 00-0004 Additional Telephones Less Solid State Switching (PBX) <small>(27 31 13 00-0001)</small>		
27 31 13 00-0005 EA Add For Each Additional PBX Phone Line Less Solid State Switching.....	342.73	33.74

27 Communications**27 30 Voice Communications****27 31 Voice Communications Switching and Routing Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 31 13 00-0006			Telephones (27 31 13 00-0001)		
27 31 13 00-0007	EA		Telephones, Desk Type Intercommunication Equipment.....	142.16	32.09
27 31 13 00-0008	EA		Telephones, Wall Type Intercommunication Equipment.....	163.79	42.80

27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

27 32 19 Interior Telephone System (27 32)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 19 00-0001			Components (27 32 19)		
27 32 19 00-0002	EA		Solid State Exchange Unit With Power Supply.....	4,153.44	751.98
27 32 19 00-0003	EA		Dial Telephone - Handset In Cabinet.....	487.72	61.47
27 32 19 00-0004	EA		Elevator Cab Telephone With Trailer Cable.....	260.77	65.92
27 32 19 00-0005	EA		Loud Ring Bell, 6".....	208.20	61.15
27 32 19 00-0006	EA		Audio/Visual Indicator.....	257.56	57.60
27 32 19 00-0007	EA		Administrative Telephone With Digital Display.....	265.10	51.68
27 32 19 00-0008	EA		Processing Unit For 16 Station System.....	1,376.80	421.58
27 32 19 00-0009	EA		Handset For 16 Station System.....	189.03	41.96
27 32 19 00-0010	EA		Handset In Cabinet, For 16 Station System.....	255.97	56.62
27 32 19 00-0011	MLF		20 Conductor Unshielded Cable, #22.....	1,912.38	907.44
27 32 19 00-0012	EA		Power Supply For 16 Station System.....	260.30	112.00
27 32 19 00-0013	EA		Intercom Terminal Board.....	240.39	126.07
27 32 19 00-0014	EA		Power Supply For Five Station System, 24 Volt DC.....	268.89	112.00
27 32 19 00-0015	EA		Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick.....	127.91	46.04
27 32 19 00-0016	EA		Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep.....	383.76	101.34
27 32 19 00-0017	EA		Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep.....	451.49	115.18
27 32 19 00-0018	EA		Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep.....	546.31	136.32
27 32 19 00-0019	EA		Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep.....	639.60	147.38
27 32 19 00-0020	EA		Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep.....	973.75	167.69
27 32 19 00-0021	EA		Ring Rung 3".....	8.56	4.59
27 32 19 00-0022	EA		G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID.....	20.85	8.15
27 32 19 00-0023	EA		G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing.....	38.75	16.71

27 32 19 00-0024 Accessories (27 32 19)

27 32 19 00-0025	EA		Blank Telephone Receptacle, Exposed Devices - Complete.....	9.08	4.44
27 32 19 00-0026	EA		4-Pin Telephone Receptacle, Exposed Devices - Complete.....	19.04	17.12
27 32 19 00-0027	EA		Level 5, RJ-45 Jack, Dual Flush Mounted - Complete.....	45.45	18.81
27 32 19 00-0028	EA		Level 5, RJ-45 Jack, Wall Mount - Complete.....	43.71	18.81
27 32 19 00-0029	EA		Terminating Strips, Inside.....	88.27	37.62
27 32 19 00-0030	EA		Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete.....	40.69	19.34
27 32 19 00-0031	EA		Ready Access Closure 3 To 25 Pair.....	106.54	45.34
27 32 19 00-0032	EA		Ready Access Closure 25 To 100 Pair.....	123.02	50.69
27 32 19 00-0033	EA		Termination Block With Bracket 25 Pair.....	39.00	15.22
27 32 19 00-0034	EA		RJ-11 Telephone Receptacle, Concealed Devices - Complete.....	39.99	19.09
27 32 19 00-0035	EA		Interior Protected Terminal 25 Pair.....	400.95	109.94
27 32 19 00-0036	EA		Interior Protected Terminal 50 Pair.....	462.57	111.67
27 32 19 00-0037	EA		Pedestal 6" x 6" x 50" 3 To 100 Pair.....	160.96	45.75
27 32 19 00-0038	EA		Pedestal 8" x 8" x 50" 100 To 300 Pair.....	165.14	45.75
27 32 19 00-0039	EA		Pedestal 10" x 10" x 43" 300 To 600 Pair.....	216.79	58.51
27 32 19 00-0040	EA		Pedestal 10" x 16" x 439 600 Pair.....	439.03	105.42
27 32 19 00-0041	EA		Entrance Protector Terminal 100 Pair.....	590.09	120.31
27 32 19 00-0042	EA		Gas Protection Module.....	10.66	4.12
27 32 19 00-0043	EA		Terminating Boxes, Outside With 3 Element Protectors, Per Pair.....	16.21	3.76

27 32 26 Ring-Down Emergency Telephones (27 32)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0001			Emergency Telephone (27 32 26) Note: Standard features include: CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70w area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.		
27 32 26 00-0002	EA		Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	6,167.36	338.63
			Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0003	EA		Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	6,465.97	338.63
			Note: Includes IA4100 FP1 analog speakerphone with single red "Push For Help" button, "Push For Help" bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.		
27 32 26 00-0004	EA		Analog Speakerphone With Black "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2).....	99.54	
27 32 26 00-0005	EA		Analog Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IA4100 FP2-K).....	149.31	
27 32 26 00-0006	EA		IP Speakerphone With Single Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP1).....	373.27	
27 32 26 00-0007	EA		IP Speakerphone With Back "Info" Button And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2).....	507.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0008 EA IP Speakerphone With Black "Call" Button, Keypad And Red "Push For Help" Button Code Blue Option (Code Blue IP5000 FP2-K).....	557.41	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	9.95	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	9.95	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option.....	89.58	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option.....	945.61	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option	437.97	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option	1,418.42	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option.....	2,981.16	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	159.26	
27 32 26 00-0017 EA Night Charge Power Code Blue Option	1,388.55	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	348.38	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option	791.33	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option.....	34.84	
27 32 26 00-0021 City Police Call System (27 32 26)		
27 32 26 00-0022 Components (27 32 26 00-0021)		
27 32 26 00-0023 EA City Police Call System.....	486.38	95.96
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post.....	455.06	138.99
27 40 Audio-Video Communications (27)		
27 41 Audio-Video Systems (27 40)		
27 41 16 Integrated Audio-Video Systems and Equipment (27 41)		
Note: Includes testing of new devices and certification.		
27 41 16 00-0001 Television Distribution System (27 41 16)		
See CSI section 26 05 13 00-0001 for basic wiring, 26 05 19 16-0012 for basic wiring.		
27 41 16 00-0002 Television Support System (27 41 16 00-0001)		
27 41 16 00-0003 EA Ceiling Mounted Television Support, 19" To 20".....	292.64	92.32
27 41 16 00-0004 EA Ceiling Mounted Television Support, 19" To 20" With Rack	370.32	103.03
27 41 16 00-0005 EA Ceiling Mounted Television Support, 25" To 27".....	303.69	92.32
27 41 16 00-0006 EA Ceiling Mounted Television Support, 25" To 27" With Rack	381.37	103.03
27 41 16 00-0007 EA Wall Mounted Television Support, 13".....	231.25	74.19
27 41 16 00-0008 EA Wall Mounted Television Support, 13" With Rack.....	308.93	82.43
27 41 16 00-0009 EA Wall Mounted Television Support, 19" To 20".....	245.75	74.19
27 41 16 00-0010 EA Wall Mounted Television Support, 19" To 20" With Rack	323.43	82.43
27 41 16 00-0011 EA Wall Mounted Television Support, 25" To 27".....	260.25	74.19
27 41 16 00-0012 EA Wall Mounted Television Support, 25" To 27" With Rack	337.93	82.43
27 41 16 00-0013 Distribution System (27 41 16 00-0001)		
See CSI section 26 05 13 00-0001 for wire and cabling.		
27 41 16 00-0014 TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA Steel Rack Cabinet With Shelves	935.47	151.33
27 41 16 00-0016 EA Switch And Pilot Light.....	161.43	67.23
27 41 16 00-0017 LF Surface Raceway With Outlets	19.72	9.13
27 41 16 00-0018 EA Service Label.....	24.03	12.59
27 41 16 00-0019 Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA Head End Amplifier.....	624.04	100.73
27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA UHF In-Line Booster.....	379.69	100.73
27 41 16 00-0023 Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA VHF Preamplifier	465.73	100.73
27 41 16 00-0025 EA UHF Preamplifier	379.69	100.73
27 41 16 00-0026 Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA Common Power Supply	665.33	143.92
27 41 16 00-0028 Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA Line Splitter.....	65.22	33.58
27 41 16 00-0030 EA Two-Way Splitter	72.07	33.58

27	Communications
27 40	Audio-Video Communications
27 41	Audio-Video Systems



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0031 EA Frequency Filter.....	151.18	50.44
27 41 16 00-0032 EA Line Splitter And Mixer.....	198.45	74.07
27 41 16 00-0033 Power Line Filters (27 41 16 00-0013)		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter.....	281.88	67.23
27 41 16 00-0035 Wall Box And Receiver Outlets (27 41 16 00-0013)		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug.....	151.18	50.44
27 41 16 00-0037 EA TV Receiver Outlet Plug.....	72.07	33.58
27 41 16 00-0038 EA TV Camera Outlet Plug.....	72.07	33.58
27 41 16 00-0039 EA Audio Outlet Plug.....	63.49	33.58
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings.....	131.31	67.23
27 41 16 00-0041 EA Male Plug PL-259.....	72.07	33.58
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets.....	88.04	35.22
27 41 16 00-0043 Metal And Electric Shop Antenna Systems (27 41 16)		
27 41 16 00-0044 Antenna (27 41 16 00-0043)		
27 41 16 00-0045 EA Amateur Radio Antenna.....	592.36	123.44
27 41 16 00-0046 EA Multi-Band Radio Antenna.....	469.10	123.44
27 41 16 00-0047 Receptacles (27 41 16 00-0043)		
27 41 16 00-0048 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter.....	142.58	50.44
27 41 16 00-0049 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs.....	142.58	50.44

27 50 Distributed Communications And Monitoring Systems (27)

27 51 Distributed Audio-Video Communications Systems (27 50)

27 51 23 Intercommunications And Program Systems (27 51)

27 51 23 20 Commercial Intercommunications And Program Systems (27 51 23)

27 51 23 20-0001 Intercom (27 51 23 20)

27 51 23 20-0002 EA Aiphone Intercom, Master.....	1,077.51	
27 51 23 20-0003 EA Aiphone Intercom, Remotes.....	399.13	

27 51 33 Sound Reinforcement (27 51)

Note: Includes testing of new devices and certification.

27 51 33 00-0001 Amplifiers (27 51 33)

27 51 33 00-0002 EA 10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10).....	321.04	82.43
27 51 33 00-0003 EA 35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35).....	438.11	82.43
27 51 33 00-0004 EA 60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60).....	513.26	82.43
27 51 33 00-0005 EA 100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100).....	566.88	82.43
27 51 33 00-0006 EA 150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150).....	696.80	82.43
27 51 33 00-0007 EA 250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250).....	891.08	82.43
27 51 33 00-0008 EA Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK).....	35.74	4.13

27 51 33 00-0009 Speakers (27 51 33)

27 51 33 00-0010 EA 8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W).....	136.41	22.05
27 51 33 00-0011 EA 8" Steel Baffle (Atlas Sound 51-8).....	40.14	4.12
27 51 33 00-0012 EA T-Bar Support (Atlas Sound EZ95-8).....	44.23	4.12
27 51 33 00-0013 EA 8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408).....	66.14	4.12
27 51 33 00-0014 EA Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA).....	65.64	7.41

27 51 33 00-0015 Accessories (27 51 33)

27 51 33 00-0016 EA Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	169.27	10.30
27 51 33 00-0017 EA Tape Deck For Audio/Video System.....	123.23	10.30
27 51 33 00-0018 EA 5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	374.21	10.30
27 51 33 00-0019 EA Weather Proof Horn For Audio/Video System (Bogen SPT5A).....	103.41	20.61
27 51 33 00-0020 EA Trumpet Driver And Line Matching Transformer For Audio/Video System.....	183.13	20.61
27 51 33 00-0021 EA Headset Microphone For Audio/Video System.....	136.50	20.58
27 51 33 00-0022 EA Microphone Jack For Audio/Video System.....	68.47	20.61
27 51 33 00-0023 EA Terminal Cabinet For Audio/Video System.....	535.09	82.43
27 51 33 00-0024 EA Volume Control For Audio/Video System (Bogen AT10A).....	65.89	20.61

27 51 33 00-0025 Remove And Reinstall Speakers (27 51 33)

Note: Includes storage, cleaning and supply materials.

27 51 33 00-0026 EA Remove And Reinstall Ceiling Mounted Speaker.....	115.21	
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	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 Distributed Systems (27 50)				
27 53 13 Clock Systems (27 53)				
	27 53 13 00-0001	Wired Self-Corrective Clock Systems (27 53 13)		
	27 53 13 00-0002	Wired Self-Corrective Clocks (27 53 13 00-0001)		
	27 53 13 00-0003	Analog, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
	27 53 13 00-0004	24 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
	27 53 13 00-0005	EA 12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	181.44 -11.77 -17.38	20.58
	27 53 13 00-0006	EA 12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	431.84 -21.79 -37.41	20.58
	27 53 13 00-0007	EA 16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	227.61 -15.48 -22.94	20.58
	27 53 13 00-0008	EA 16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	570.36 -59.08 -80.25	20.58
	27 53 13 00-0009	120 Volt AC, Analog, Wired Self-Corrective Clocks (27 53 13 00-0003)		
	27 53 13 00-0010	EA 12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	181.44 -11.77 -17.38	20.58
	27 53 13 00-0011	EA 12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	431.84 -21.79 -37.41	20.58
	27 53 13 00-0012	EA 16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	227.61 -15.48 -22.94	20.58
	27 53 13 00-0013	EA 16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	570.36 -59.08 -80.25	20.58
	27 53 13 00-0014	Accessories For Analog Wired Self-Corrective Clocks (27 53 13 00-0003)		
	27 53 13 00-0015	EA Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks.....	149.33	10.28
	27 53 13 00-0016	EA Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	38.34	10.28
	27 53 13 00-0017	EA Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	48.56	10.28
	27 53 13 00-0018	EA Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	59.21	10.28
	27 53 13 00-0019	EA Combination Back Box For Speaker And Clock.....	87.49	16.46
	27 53 13 00-0020	Digital, Wired Self-Corrective Clocks (Telecor) (27 53 13 00-0002)		
	27 53 13 00-0021	24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
	27 53 13 00-0022	EA 2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	224.06 36.58 -10.98 -18.29	20.58
	27 53 13 00-0023	EA 4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	344.82 60.74 -18.22 -30.37	20.58
	27 53 13 00-0024	120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
	27 53 13 00-0025	EA 2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	224.06 36.58 -10.98 -18.29	20.58
	27 53 13 00-0026	EA 4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount..... <i>For Surface Mount, Add</i> <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	344.82 60.74 -18.22 -30.37	20.58
	27 53 13 00-0027	Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		
	27 53 13 00-0028	EA 2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	191.65 -9.03 -15.05	20.58
	27 53 13 00-0029	EA 4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks..... <i>For >50 To 100, Deduct</i> <i>For >100, Deduct</i>	315.52 -16.46 -27.44	20.58
	27 53 13 00-0030	Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks (27 53 13 00-0020)		

27 Communications**27 50 Distributed Communications And Monitoring Systems****27 53 Distributed Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 00-0031	EA		2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	191.65	20.58
			<i>For >50 To 100, Deduct</i>	-9.03	
			<i>For >100, Deduct</i>	-15.05	
27 53 13 00-0032	EA		4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks.....	315.52	20.58
			<i>For >50 To 100, Deduct</i>	-16.46	
			<i>For >100, Deduct</i>	-27.44	
27 53 13 00-0033			Accessories For Digital Wired Self-Corrective Clocks <small>(27 53 13 00-0020)</small>		
27 53 13 00-0034	EA		Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks.....	203.50	10.28
27 53 13 00-0035	EA		2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	48.99	10.28
27 53 13 00-0036	EA		4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks.....	67.64	10.28
27 53 13 00-0037	EA		Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks.....	177.75	10.28
27 53 13 00-0038	EA		4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks.....	50.33	10.28
27 53 13 00-0039			Wired Self-Corrective Master Clocks <small>(27 53 13 00-0001)</small>		
27 53 13 00-0040			Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0041	EA		24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24).....	2,101.51	164.58
27 53 13 00-0042	EA		120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120).....	2,234.71	164.58
27 53 13 00-0043			Accessories For Wired Self-Corrective Master Clocks <small>(27 53 13 00-0039)</small>		
27 53 13 00-0044	EA		5 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405).....	216.83	41.14
27 53 13 00-0045	EA		10 Amp Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406).....	244.79	41.14
27 53 13 00-0046			Other Clock And Program Systems <small>(27 53 13)</small>		
27 53 13 00-0047	EA		4 Circuit Master Clock And Signal Control (Lathem LTR4-512).....	1,032.79	82.30
27 53 13 00-0048	EA		8 Circuit Master Clock And Signal Control (Lathem LTR8-512).....	1,279.69	164.58
27 53 13 00-0049	EA		Program Bell (Lathem 906-6).....	165.90	41.14
27 53 13 00-0050	EA		Combination Clock And Speaker.....	381.13	102.86

END OF SECTION 27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 Electronic Safety And Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 30 Electronic Detection And Alarm ⁽²⁸⁾

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

28 31 Fire Detection And Alarm ^(28 30)

28 31 23 Fire Detection And Alarm ^(28 31)

28 31 23 00-0001	Edwards Fire Alarm ^(28 31 23)		
28 31 23 00-0002	EST3 Life Safety And Security Control ^(28 31 23 00-0001)		
28 31 23 00-0003	EST3 Network ^(28 31 23 00-0002)		
28 31 23 00-0004	Remote Annunciators ^(28 31 23 00-0003)		
28 31 23 00-0005	EA Remote LCD Command Module Annunciator (EST3 3-LCDANN).....	841.67	61.82
	Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0006	EA Six Position Base Annunciator (EST3 3-6ANN).....	691.46	61.82
	Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0007	EA Ten Position Base Annunciator (EST3 3-10ANN).....	866.61	61.82
	Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.		
28 31 23 00-0008	EA Annunciator CPU (EST3 3-ANNCPU3)	563.25	61.82
	Note: One Required per graphic annunciator.		
28 31 23 00-0009	EA Annunciator Support Module (EST3 3-ANNSM)	108.11	20.61
	Note: Takes one space in Annunciator box. Supports one Control/Display module.		
28 31 23 00-0010	EA Liquid Crystal Display Module (EST3 3-LCD)	372.83	61.82
	Note: Mounts over 3-CPU(1).		
28 31 23 00-0011	EA Liquid Crystal Display Module (EST3 3-LCDXL).....	386.75	61.82
	Note: Mounts over 3-ANNCPU plus two spaces.		
28 31 23 00-0012	EA LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA)	416.74	61.82
	Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.		
28 31 23 00-0013	EA Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA).....	470.77	41.21
	Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.		
28 31 23 00-0014	EA Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX)	78.29	20.61
	Note: Mounts up to three 3-EVDVRA modules.		
28 31 23 00-0015	EA Central Processor Unit Module (EST3 3-CPU3)	889.96	61.82
	Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0016	EA Primary Power Supply With Local Rail Module, 120 Volt, 50/60 Hz (EST3 3-CPU3)	859.11	20.61
	Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.		
28 31 23 00-0017	Remote Annunciators Cabinets ^(28 31 23 00-0003)		
28 31 23 00-0018	EA Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B).....	83.62	20.61
28 31 23 00-0019	EA Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	75.38	16.48
28 31 23 00-0020	EA Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	93.03	20.61
28 31 23 00-0021	EA Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	84.79	16.48
28 31 23 00-0022	EA Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	101.86	20.61
28 31 23 00-0023	EA Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	93.62	16.48
28 31 23 00-0024	Audio And Telephone Masters ^(28 31 23 00-0003)		
28 31 23 00-0025	EA Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	2,685.26	82.43
28 31 23 00-0026	EA Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4).....	1,513.02	82.43
28 31 23 00-0027	EA Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU).....	1,417.78	82.43
28 31 23 00-0028	EA Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	1,432.42	82.43
28 31 23 00-0029	EA Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100).....	1,630.20	82.43
28 31 23 00-0030	EA Zoned Audio Amplifier Module (EST3 3-ZA95).....	1,508.95	41.21
28 31 23 00-0031	Battery Distribution Unit ^(28 31 23 00-0003)		
28 31 23 00-0032	EA Battery Distribution Unit (EST3 3-BTSEN).....	331.92	249.49
28 31 23 00-0033	Remote Booster Power Supply ^(28 31 23 00-0003)		
28 31 23 00-0034	EA 6.5 Amp, 120 Volt, Booster Power Supply (EST3 BPS6A)	490.02	61.82
28 31 23 00-0035	EA 10 Amp, 110 Volt Booster Power Supply (EST3 BPS10)	555.21	61.82
28 31 23 00-0036	EA 10 Amp, 220 Volt Booster Power Supply (EST3 BPS10220).....	603.24	61.82
28 31 23 00-0037	EA Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	85.20	20.61
28 31 23 00-0038	Batteries And Battery Cabinets ^(28 31 23 00-0003)		
28 31 23 00-0039	EA 1.2 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V1A2 (1.2 Amp Hours)).....	67.30	20.61
28 31 23 00-0040	EA 4 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V4A (4.5 Amp Hours)).....	81.46	20.61

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0041	EA	24 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V24A (26 Amp Hours)).....	179.16	20.61
28 31	23 00-0042	EA	6.5 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V6A5 (7.2 Amp Hours)).....	87.13	20.61
28 31	23 00-0043	EA	40 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V40A (40 Amp Hours)).....	224.52	20.61
28 31	23 00-0044	EA	10 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V10A (11 Amp Hours)).....	130.63	20.61
28 31	23 00-0045	EA	50 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V50A (50 Amp Hours)).....	445.51	20.61
28 31	23 00-0046	EA	17 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V17A (18 Amp Hours)).....	133.55	20.61
28 31	23 00-0047	EA	65 Amp Hours Sealed Lead Acid Battery - 12 Volt DC (EST3 12V65A (65 Amp Hours)).....	534.36	20.61
28 31	23 00-0048	EA	8.0 Amp Hours Sealed Lead Acid Battery - 6 Volt DC (EST3 6V8A (8 Amp Hours)).....	78.70	20.61
28 31	23 00-0049	EA	10 Amp Hours Sealed Lead Acid Battery - 6 Volt DC (EST3 6V10A (12 Amp Hours)).....	71.62	20.61
28 31	23 00-0050	EA	Battery Cabinet, 14.0" x 18.25" x 7.25" Free Standing Cabinet With Key Lock (EST3 BC-1)..... Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	322.86	82.43
28 31	23 00-0051	EA	Battery Cabinet, Gray 22" X 15" X 3.75" (EST3 BC-2)..... Note: Holds up to two 12V17A batteries.	284.71	82.43
28 31	23 00-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R).....	663.13	82.43
28 31	23 00-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R).....	813.30	82.43
28 31	23 00-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R).....	1,124.68	82.43
28 31	23 00-0055		Serial Printer <small>(28 31 23 00-0003)</small>		
28 31	23 00-0056	EA	System Printer - Desk Top Style (EST3 PT-1S).....	855.30	20.61
28 31	23 00-0057		Intelligent Analog Initiating Devices <small>(28 31 23 00-0002)</small>		
28 31	23 00-0058		Detectors, Signature <small>(28 31 23 00-0007)</small>		
28 31	23 00-0059	EA	Intelligent 4D Multisensor Detector - Ionization, Photoelectric, Heat (EST3 SIGA-IPHS).....	147.24	30.91
28 31	23 00-0060	EA	Intelligent 4D Multisensor Detector, Black - Ionization, Photoelectric, Heat (EST3 SIGA-IPHSB).....	163.72	30.91
28 31	23 00-0061	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA-PHS).....	142.33	30.91
28 31	23 00-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS).....	127.59	30.91
28 31	23 00-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS).....	132.50	30.91
28 31	23 00-0064	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA-HRS).....	111.16	30.91
28 31	23 00-0065	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA-HFS).....	111.16	30.91
28 31	23 00-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD).....	168.11	30.91
28 31	23 00-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS).....	184.20	30.91
28 31	23 00-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS).....	157.66	30.91
28 31	23 00-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS).....	221.59	30.91
28 31	23 00-0070	EA	Intelligent Fixed Temperature Heat Detector - 135 Degree F (EST3 SIGA2-HFS).....	133.81	30.91
28 31	23 00-0071	EA	Intelligent Fixed Temperature / Rate-of-Rise Heat Detector - 135F, 15F Per Minute (EST3 SIGA2-HRS).....	133.81	30.91
28 31	23 00-0072	EA	Intelligent 3D Multisensor Detector - Photoelectric, Heat (EST3 SIGA2-PHS).....	179.15	30.91
28 31	23 00-0073		Detectors, Duct Housings and Accessories, Signature <small>(28 31 23 00-0007)</small>		
28 31	23 00-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD).....	292.81	51.52
28 31	23 00-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG).....	14.51	
28 31	23 00-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120).....	28.72	6.18
28 31	23 00-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	77.87	16.48
28 31	23 00-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS).....	102.80	16.48
28 31	23 00-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	49.44	16.48
28 31	23 00-0080		Detectors, Smoke, Beam <small>(28 31 23 00-0007)</small>		
28 31	23 00-0081	EA	Firearay 2000 Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	96.64	
28 31	23 00-0082	EA	Firearay 2000 Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01)..... Note: Includes controller and remote mount transmitter and receiver head.	1,129.25	30.91
28 31	23 00-0083	EA	Firearay 2000 Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00).....	71.21	10.30
28 31	23 00-0084	EA	Replacement Reflector, For EC-50R/-100R Reflective Beam Detectors (EST3 23901-01).....	83.82	10.30
28 31	23 00-0085	EA	160 - 330' Reflective Beam Detector (EST3 EC-100R).....	1,157.19	30.91
28 31	23 00-0086	EA	15 - 160' Reflective Beam Detector (EST3 EC-50R).....	988.67	30.91
28 31	23 00-0087	EA	Remote Test Station, For EC-50R/-100R Reflective Beam Detectors (EST3 EC-LLT).....	231.31	10.30
28 31	23 00-0088	EA	160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	1,219.31	30.91
28 31	23 00-0089		Modules, Signature <small>(28 31 23 00-0007)</small>		
28 31	23 00-0090	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB).....	134.82	20.61
28 31	23 00-0091	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	91.33	20.61
28 31	23 00-0092	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2).....	126.63	20.61
28 31	23 00-0093	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2).....	121.68	20.61
28 31	23 00-0094	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1).....	115.18	20.61
28 31	23 00-0095	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	136.52	20.61
28 31	23 00-0096	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amps (24Vdc).	110.20	20.61
28 31	23 00-0097	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	106.98	20.61
28 31	23 00-0098	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	139.82	20.61
28 31	23 00-0099	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	136.52	20.61
28 31	23 00-0100	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	131.61	20.61
28 31	23 00-0101	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	121.42	100.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0102 EA Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1).....	91.33	20.61
28 31 23 00-0103 EA Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	140.45	20.61
28 31 23 00-0104 Module Accessories, Signature <small>(28 31 23 00-0057)</small>		
<small>Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 & 2-gang modules.</small>		
28 31 23 00-0105 EA Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	37.11	10.30
28 31 23 00-0106 EA Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	120.09	20.61
28 31 23 00-0107 EA Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	14.83	6.18
28 31 23 00-0108 EA Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	42.79	10.30
28 31 23 00-0109 EA Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	38.71	10.30
28 31 23 00-0110 EA Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	40.32	10.30
28 31 23 00-0111 Single Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0112 EA One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	156.40	42.87
28 31 23 00-0113 EA Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	181.04	42.87
28 31 23 00-0114 EA GA Key - For Pre Signal Station (EST3 276-K2)	20.75	16.64
28 31 23 00-0115 EA 20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	25.50	21.39
28 31 23 00-0116 EA Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	43.61	27.12
28 31 23 00-0117 Double Action Pull Stations, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0118 EA Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	161.31	42.87
28 31 23 00-0119 EA 12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	25.85	4.13
28 31 23 00-0120 Detector Bases and Accessories, Signature <small>(28 31 23 00-0057)</small>		
<small>Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.</small>		
28 31 23 00-0121 EA Audible (Sounder) Base (EST3 SIGA-AB4G)	73.56	10.30
28 31 23 00-0122 EA Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	30.51	10.30
28 31 23 00-0123 EA Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	90.65	10.30
28 31 23 00-0124 EA Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	53.53	10.30
28 31 23 00-0125 EA Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	61.73	10.30
28 31 23 00-0126 EA Detector Mounting Plate (EST3 SIGA-DMP)	94.58	10.30
<small>Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.</small>		
28 31 23 00-0127 EA Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	37.11	10.30
28 31 23 00-0128 EA Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	14.90	6.18
28 31 23 00-0129 EA Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	14.90	6.18
28 31 23 00-0130 EA Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	37.08	6.18
28 31 23 00-0131 EA Detector Base With Isolator (EST3 SIGA-IB).....	60.90	10.30
28 31 23 00-0132 EA Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	64.42	10.30
28 31 23 00-0133 EA Detector Base With Form 'C' Relay (EST3 SIGA-RB)	54.77	10.30
28 31 23 00-0134 EA Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	54.77	10.30
28 31 23 00-0135 EA Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	31.74	10.30
28 31 23 00-0136 Controllers, Signature <small>(28 31 23 00-0057)</small>		
28 31 23 00-0137 EA Signature Dual Driver Controller (EST3 3-SDDC1)	1,928.79	61.82
28 31 23 00-0138 EA Single Signature Loop Controller (EST3 3-SSDC1).....	1,118.41	61.82
28 31 23 00-0139 EA Signature Loop Controller (EST3 3-SDC1).....	1,007.80	61.82
28 31 23 00-0140 EA Analog Addressable Loop Controller (EST3 3-AADC1).....	1,597.24	61.82
28 31 23 00-0141 Relays And Accessories <small>(28 31 23 00-0057)</small>		
28 31 23 00-0142 EA Multi Voltage Relay (EST3 MR101).....	110.79	20.61
28 31 23 00-0143 EA Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	35.03	10.30
28 31 23 00-0144 Notification Appliances <small>(28 31 23 00-0002)</small>		
28 31 23 00-0145 Wall Strobes, Horns And Chimes <small>(28 31 23 00-0144)</small>		
28 31 23 00-0146 EA Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	96.93	30.91
28 31 23 00-0147 EA Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	96.93	30.91
28 31 23 00-0148 EA Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	108.37	30.91
28 31 23 00-0149 EA Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	84.05	30.91
28 31 23 00-0150 EA Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	84.05	30.91
28 31 23 00-0151 EA Temporal Horn, Hi/Lo dB Output, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	84.05	30.91

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0152 EA Temporal Horn, Hi/Lo dB Output, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	84.05	30.91
28 31 23 00-0153 EA Horn (Steady Tone), 24 Volt, White, Not Compatible With Signal Master (EST3 G1-P)	73.22	30.91
28 31 23 00-0154 EA Horn (Steady Tone) - 24 Volt, Red, Not Compatible With Signal Master (EST3 G1R-P)	73.22	30.91
28 31 23 00-0155 EA Horn (Steady Tone), 24 Volt, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	73.22	30.91
28 31 23 00-0156 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	155.05	30.91
28 31 23 00-0157 EA Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	155.05	30.91
28 31 23 00-0158 EA Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	106.98	30.91
28 31 23 00-0159 EA Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	106.98	30.91
28 31 23 00-0160 EA Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	96.93	30.91
28 31 23 00-0161 EA Multi-cd Strobe, 24 Volt, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	96.93	30.91
28 31 23 00-0162 EA Multi-cd Strobe, 24 Volt, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	96.93	30.91
28 31 23 00-0163 EA Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	96.93	30.91
28 31 23 00-0164 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	100.15	30.91
28 31 23 00-0165 EA Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	100.15	30.91
28 31 23 00-0166 EA Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VMH)	107.67	30.91
28 31 23 00-0167 EA Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	100.15	30.91
28 31 23 00-0168 EA Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	100.15	30.91
28 31 23 00-0169 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	66.18	30.91
28 31 23 00-0170 EA Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	66.18	30.91
28 31 23 00-0171 Wall Speakers And Speaker Strobes (28 31 23 00-0144)		
28 31 23 00-0172 EA Multi-Wattage 25 Volt Speaker (EST3 G4-S2)	83.08	30.91
28 31 23 00-0173 EA Multi-Candela/Wattage 25 Volt Speaker-Strobe (EST3 G4-S2VM)	119.35	30.91
28 31 23 00-0174 EA Multi-Wattage 70 Volt Speaker (EST3 G4-S7)	83.08	30.91
28 31 23 00-0175 EA Multi-Candela/Wattage 70 Volt Speaker-Strobe (EST3 G4-S7VM)	119.35	30.91
28 31 23 00-0176 EA Surface Box, White, For Genesis Speaker (EST3 G4B)	41.81	16.48
28 31 23 00-0177 EA Surface Box, Red, For Genesis Speaker (EST3 G4RB)	41.81	16.48
28 31 23 00-0178 Ceiling Speakers And Speaker Strobes (28 31 23 00-0144)		
28 31 23 00-0179 EA Genesis Ceiling Speaker, 70 Volt, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	96.23	30.91
28 31 23 00-0180 EA Genesis Ceiling Speaker/Strobe, 70 Volt, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	119.35	30.91
28 31 23 00-0181 EA Genesis Ceiling Speaker/Strobe, 70 Volt, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	126.67	30.91
28 31 23 00-0182 Harsh Environment Signals (28 31 23 00-0144)		
28 31 23 00-0183 EA Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	87.23	30.91
28 31 23 00-0184 EA 15/75 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	116.10	30.91
28 31 23 00-0185 EA 110 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	116.10	30.91
28 31 23 00-0186 EA Strobe - 15cd Synchronized, 24 Volt DC (EST3 405-5A-T)	107.52	30.91
28 31 23 00-0187 EA Strobe - 15/75cd Synchronized, 24 Volt DC (EST3 405-7A-T)	101.81	30.91
28 31 23 00-0188 EA Strobe - 30cd Synchronized, 24 Volt DC (EST3 405-3A-T)	107.52	30.91
28 31 23 00-0189 EA Strobe - 60cd Synchronized, 24 Volt DC (EST3 405-6A-T)	107.52	30.91
28 31 23 00-0190 EA Strobe - 110cd Synchronized, 24 Volt DC (EST3 405-8A-T)	107.52	30.91
28 31 23 00-0191 EA 15/75 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-7A-T)	111.06	30.91
28 31 23 00-0192 EA 110 cd Synchronized Strobe, 24 Volt DC, Red - Outdoor Listed (EST3 CS405-8A-T)	111.06	30.91
28 31 23 00-0193 EA 15 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	90.74	30.91
28 31 23 00-0194 EA 30 cd Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	113.41	30.91
28 31 23 00-0195 Fire Alarm Bells (28 31 23 00-0144)		
28 31 23 00-0196 EA 10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	124.11	30.91
28 31 23 00-0197 EA 6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	102.55	30.91
28 31 23 00-0198 EA 10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	111.75	30.91
28 31 23 00-0199 Multiple Tone Signal (28 31 23 00-0144)		
28 31 23 00-0200 EA 27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	708.79	677.88
28 31 23 00-0201 Multi-Purpose Loudspeaker (28 31 23 00-0144)		
28 31 23 00-0202 EA 15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	158.50	30.91
28 31 23 00-0203 EA 15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	158.50	30.91
28 31 23 00-0204 Bell/Strobe Plate (28 31 23 00-0144)		
28 31 23 00-0205 EA Bell/Strobe Plate - 15cd (EST3 403-5A-R)	80.62	16.48
28 31 23 00-0206 Mounting Accessories (28 31 23 00-0144)		
28 31 23 00-0207 EA Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	42.48	16.48
28 31 23 00-0208 EA One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	42.48	16.48
28 31 23 00-0209 EA Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	42.48	16.48
28 31 23 00-0210 EA Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	42.48	16.48
28 31 23 00-0211 EA Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	42.48	16.48



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0212				Firefighters' Telephones <small>(28 31 23 00-0144)</small>		
			EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	647.23	51.52
			EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	375.14	51.52
			EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	277.15	51.52
			EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	208.84	51.52
			EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	362.94	51.52
			EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	233.22	51.52
			EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	406.12	51.52
			EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	241.35	51.52
			EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	461.42	51.52
			EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	55.77	16.48
			EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	62.85	16.48
			EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	78.61	
			EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	78.61	
			EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	126.10	20.61
			EA	Frontplate - Flush Mount, Red Finish, Non Break Glass Type With Two Keys (EST3 6831-2).....	154.26	20.61
			EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	112.02	20.61
			EA	Frontplate - Surface Mount, Red Finish, Non Break Glass Type, With Two Keys (EST3 6831-4).....	107.88	20.61
			EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	87.54	30.91
			EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	662.18	41.21
28 31 23 00-0232				Mass Notification EC Appliances <small>(28 31 23 00-0144)</small>		
			EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	100.17	30.91
			EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	97.25	30.91
			EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	100.17	30.91
			EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	97.25	30.91
			EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	15.87	6.18
28 31 23 00-0238				Hazardous Location Devices <small>(28 31 23 00-0002)</small>		
28 31 23 00-0239				Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location <small>(28 31 23 00-0238)</small>		
			EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	90.85	30.91
			EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	90.85	30.91
			EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	93.29	30.91
			EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	93.29	30.91
			EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	122.33	30.91
			EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	122.33	30.91
			EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	93.29	30.91
			EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	93.29	30.91
28 31 23 00-0248				Hazardous Locations Fire Alarm Station <small>(28 31 23 00-0238)</small>		
			EA	Hazardous Location Fire Alarm Station (EST3 XAL53).....	684.13	51.52
			EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE).....	652.55	51.52
28 31 23 00-0251				Hazardous Location Strobes <small>(28 31 23 00-0238)</small>		
			EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	993.46	30.91
			EA	Wall Bracket Mounting Elbow (EST3 116EX-B).....	187.74	10.30
			EA	Ceiling / Wall Mounting Module (EST3 116EX-C).....	245.04	12.37
			EA	Pendant Mounting Module (EST3 116EX-P).....	181.50	12.37
28 31 23 00-0256				Hazardous Location Bells <small>(28 31 23 00-0238)</small>		
			EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW).....	721.31	30.91
			EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW).....	739.58	30.91
			EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW).....	746.16	30.91
28 31 23 00-0260				Hazardous Location Horns <small>(28 31 23 00-0238)</small>		
			EA	Hazardous Location Horns (EST3 888D-N5).....	705.55	30.91
			EA	Explosionproof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	579.08	30.91
28 31 23 00-0263				Door Holders And Relays <small>(28 31 23 00-0002)</small>		
28 31 23 00-0264				Electromagnetic Door Holders <small>(28 31 23 00-0263)</small>		
			EA	Door Holder, Single, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1501-AQN5).....	139.17	30.91
			EA	Door Holder, Double, Floor Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1502-AQN5).....	175.85	30.91

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0267 EA Door Holder, Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1504-AQN5)	120.44	30.91
28 31 23 00-0268 EA Door Holder, Flush, Wall Mount, Short Catch Plate - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1505-AQN5)	120.44	30.91
28 31 23 00-0269 EA Door Holder, Surface, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1508-AQN5).....	122.13	30.91
28 31 23 00-0270 EA Door Holder, Completely Flush, Wall Mount - 24 Volt AC / 24 Volt DC / 120 Volt AC (EST3 1509-AQN5)	123.75	30.91
28 31 23 00-0271 Control Relays, Multi-Voltage (28 31 23 00-0263)		
28 31 23 00-0272 EA Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	28.11	6.18
28 31 23 00-0273 FireShield Plus (28 31 23 00-0002)		
28 31 23 00-0274 3 Zone System (28 31 23 00-0273)		
28 31 23 00-0275 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	794.21	247.29
28 31 23 00-0276 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD).....	1,141.77	329.72
28 31 23 00-0277 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	794.21	247.29
28 31 23 00-0278 EA Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD).....	1,141.77	329.72
28 31 23 00-0279 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	52.22	10.30
28 31 23 00-0280 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	52.22	10.30
28 31 23 00-0281 5 Zone System (28 31 23 00-0273)		
28 31 23 00-0282 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	845.37	247.29
28 31 23 00-0283 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD).....	1,190.00	329.72
28 31 23 00-0284 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	845.37	247.29
28 31 23 00-0285 EA Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD).....	1,190.00	329.72
28 31 23 00-0286 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	52.22	10.30
28 31 23 00-0287 EA Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	52.22	10.30
28 31 23 00-0288 10 Zone System (28 31 23 00-0273)		
28 31 23 00-0289 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,207.54	329.72
28 31 23 00-0290 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Red Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	1,555.11	412.14
28 31 23 00-0291 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,185.61	329.72
28 31 23 00-0292 EA Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amp NAC Power, Gray Enclosure, 120 Volt, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	1,555.11	412.14
28 31 23 00-0293 EA Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	60.13	10.30
28 31 23 00-0294 EA NAC Power Expansion Transformer, 120 Volt, Increases 10 Zone FACP NAC (EST3 F-XTR120).....	110.81	20.61
28 31 23 00-0295 FireShield Plus Off Premise Communication Options (28 31 23 00-0273)		
28 31 23 00-0296 EA F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	231.22	20.61
28 31 23 00-0297 FireShield Plus Remote LED Annunciators (28 31 23 00-0273)		
28 31 23 00-0298 EA Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	109.25	30.91
28 31 23 00-0299 EA Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	109.25	30.91
28 31 23 00-0300 EA Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	112.98	30.91
28 31 23 00-0301 EA Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	21.88	6.18
28 31 23 00-0302 EA Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	26.65	6.18
28 31 23 00-0303 EA Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	38.11	6.18
28 31 23 00-0304 FireShield Plus Remote 10 Zone LED Annunciators (28 31 23 00-0273)		
28 31 23 00-0305 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10).....	310.30	30.91
28 31 23 00-0306 EA Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	339.53	30.91
28 31 23 00-0307 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Gray (EST3 RA-ENC1).....	114.29	20.61
28 31 23 00-0308 FireShield Plus Remote Relays And Interfaces (28 31 23 00-0273)		
28 31 23 00-0309 EA Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	120.25	20.61



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0310 EA 11" Snap Track Holds 2-4 RRRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	51.66	12.37
28 31 23 00-0311 EA Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	185.91	20.61
28 31 23 00-0312 FireShield Plus Accessories (28 31 23 00-0273)		
28 31 23 00-0313 EA Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	11.77	
28 31 23 00-0314 EA 4.7k UL End Of Line Resistor With FireShield Panels (EST3 EOL47PK7).....	7.77	
28 31 23 00-0315 iO Series Fire Control Panels (28 31 23 00-0002)		
28 31 23 00-0316 Intelligent Analog Control Panels (28 31 23 00-0315)		
28 31 23 00-0317 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	2,420.32	412.14
28 31 23 00-0318 EA FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	2,562.10	412.14
28 31 23 00-0319 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 a/h Batteries, English (EST3 iO64G)	1,932.75	329.72
28 31 23 00-0320 EA FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amp Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10a/h Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	1,998.53	329.72
28 31 23 00-0321 Option Modules And Accessories For iO Series (28 31 23 00-0315)		
28 31 23 00-0322 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	207.98	30.91
28 31 23 00-0323 EA 16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	134.90	30.91
28 31 23 00-0324 EA Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	134.90	30.91
28 31 23 00-0325 EA Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	114.29	20.61
28 31 23 00-0326 EA Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	222.98	16.48
28 31 23 00-0327 EA Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	398.38	16.48
28 31 23 00-0328 EA Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	51.30	10.30
28 31 23 00-0329 EA Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	58.61	10.30
28 31 23 00-0330 EA Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	740.16	41.21
28 31 23 00-0331 Remote Annunciators For iO Series (28 31 23 00-0315)		
28 31 23 00-0332 EA Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	408.95	30.91
28 31 23 00-0333 EA Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	427.23	30.91
28 31 23 00-0334 Remote Annunciator Accessories (28 31 23 00-0315)		
28 31 23 00-0335 EA 24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	49.84	10.30
28 31 23 00-0336 EA 12 Expander Cable (Cable Only) (EST3 7120313-01).....	35.23	10.30
28 31 23 00-0337 EA 24 Expander Cable (Cable Only) (EST3 7120313-02).....	46.18	10.30
28 31 23 00-0338 EA Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC1).....	134.90	30.91
28 31 23 00-0339 EA Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC2).....	153.17	30.91
28 31 23 00-0340 EA Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglass Window, Beige (EST3 RA-ENC3).....	171.44	30.91
28 31 23 00-0341 EA Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	35.23	10.30
28 31 23 00-0342 EA Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	35.23	10.30
28 31 23 00-0343 EA Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	67.16	10.30
28 31 23 00-0344 System Accessories (28 31 23 00-0315)		
28 31 23 00-0345 EA Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt, 24 Amp Batteries (EST3 BC-1).....	322.86	82.43
28 31 23 00-0346 EA Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,158.14	329.72
28 31 23 00-0347 Conventional Initiating Devices (28 31 23 00-0002)		
28 31 23 00-0348 Detectors, Heat, Double Pole (28 31 23 00-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0349 EA Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	101.20	30.91
28 31 23 00-0350 EA Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	101.20	30.91
28 31 23 00-0351 EA Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	101.20	30.91
28 31 23 00-0352 EA Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	101.20	30.91
28 31 23 00-0353 Detectors, Rate Compensation Heat, Accessories (28 31 23 00-0347)		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0354 EA Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	67.34	30.91
28 31 23 00-0355 EA Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	152.44	16.48
28 31 23 00-0356 EA 4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	55.45	20.61
28 31 23 00-0357 Detectors, Heat, Fire-Lite (28 31 23 00-0347)		
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 31 23 00-0358 EA Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135).....	95.61	30.91
28 31 23 00-0359 EA Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194).....	95.61	30.91
28 31 23 00-0360 Audio Notification Systems (Standalone Voice Evacuation) (28 31 23 00-0002)		
28 31 23 00-0361 Audio Notification Panels (28 31 23 00-0360)		
28 31 23 00-0362 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG).....	2,994.81	412.14
28 31 23 00-0363 EA Audio Notification Panel, 100W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR).....	2,994.81	412.14
28 31 23 00-0364 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG).....	2,285.92	412.14
28 31 23 00-0365 EA Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR).....	2,285.92	412.14
28 31 23 00-0366 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG).....	2,636.72	412.14
28 31 23 00-0367 EA Audio Notification Panel, 50W Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR).....	2,636.72	412.14
28 31 23 00-0368 Audio Notification Expander Panels (28 31 23 00-0360)		
28 31 23 00-0369 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG).....	2,344.39	412.14
28 31 23 00-0370 EA Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR).....	2,344.39	412.14
28 31 23 00-0371 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG).....	1,657.43	412.14
28 31 23 00-0372 EA Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR).....	1,657.43	412.14
28 31 23 00-0373 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG).....	2,059.37	412.14
28 31 23 00-0374 EA Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR).....	2,059.37	412.14
28 31 23 00-0375 Audio Notification Output Accessories (28 31 23 00-0360)		
28 31 23 00-0376 EA Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B).....	86.38	10.30
28 31 23 00-0377 EA Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A).....	370.08	20.61
28 31 23 00-0378 EA Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B).....	370.08	20.61
28 31 23 00-0379 EA Class A Converter (GE ANSZSC4A).....	267.76	20.61
28 31 23 00-0380 Audio Notification Remote Microphone (28 31 23 00-0360)		
28 31 23 00-0381 EA Microphone (GE ANSMIKE).....	106.98	20.61
28 31 23 00-0382 EA Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG).....	406.62	20.61
28 31 23 00-0383 EA Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR).....	406.62	20.61
28 31 23 00-0384 EA Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP).....	93.69	10.30
28 31 23 00-0385 EA Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR).....	53.49	10.30
28 31 23 00-0386 Audio Notification Accessories (28 31 23 00-0360)		
28 31 23 00-0387 EA Audio Matching - Line Input/Output Card (GE ANSAUX).....	172.76	20.61
28 31 23 00-0388 EA Class B Backup Amplifier Switching Module (GE ANSBKUP).....	172.76	20.61
28 31 23 00-0389 EA Class A Backup Amplifier Switching Module (GE ANSBKUPA).....	172.76	20.61
28 31 23 00-0390 EA Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8).....	370.08	20.61
28 31 23 00-0391 Audio Notification Modules, Without Cabinet And Transformer (28 31 23 00-0360)		
28 31 23 00-0392 EA 100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A).....	1,332.12	41.21
Note: Excludes cabinet.		
28 31 23 00-0393 EA 100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM).....	1,397.89	41.21
Note: Excludes cabinet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0394 EA 100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD)	1,924.08	41.21
Note: Excludes cabinet.		
28 31 23 00-0395 EA 25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A).....	740.16	41.21
Note: Excludes cabinet.		
28 31 23 00-0396 EA 25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM)	740.16	41.21
Note: Excludes cabinet.		
28 31 23 00-0397 EA 25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD).....	1,332.12	41.21
28 31 23 00-0398 EA 50W Expander Module (No Microphone Or DMR) (GE ANS50A)	1,069.03	41.21
Note: Excludes cabinet.		
28 31 23 00-0399 EA 50W Expander Module With Microphone (No DMR) (GE ANS50AM)	1,134.80	41.21
Note: Excludes cabinet.		
28 31 23 00-0400 EA 50W Audio Notification Module With DMR And Microphone (GE ANS50AMD).....	1,660.99	41.21
Note: Excludes cabinet.		
28 31 23 00-0401 EA Power Transformer, Open Frame, 28 Volt AC @ 180 VA (EVAX 50/100) (GE ANST28180).....	86.38	10.30
28 31 23 00-0402 EA Power Transformer, Open Frame, 28 Volt AC @ 100 VA (EVAX 25) (GE ANST2885).....	65.22	10.30
28 31 23 00-0403 Gamewell-FCI Fire Control Instruments (28 31 23)		
28 31 23 00-0404 7100 Series And NetSOLO® (28 31 23 00-0403)		
28 31 23 00-0405 7100 Compact Analog Addressable Fire Alarm Control Panels (28 31 23 00-0404)		
28 31 23 00-0406 EA Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	693.47	246.88
28 31 23 00-0407 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	2,870.33	411.46
28 31 23 00-0408 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D).....	3,102.79	411.46
28 31 23 00-0409 EA Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	2,870.33	411.46
28 31 23 00-0410 EA Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E).....	3,102.79	411.46
28 31 23 00-0411 EA Replacement Board For 7100-1D (Gamewell-FCI BSM-7100-1).....	798.50	41.14
28 31 23 00-0412 EA Replacement Board For 7100-2 (Gamewell-FCI BSM-7100-1D).....	954.01	41.14
28 31 23 00-0413 EA Analog Loop Unit (Gamewell-FCI ALU)	954.01	41.14
28 31 23 00-0414 NetSOLO® Intelligent Network (28 31 23 00-0404)		
28 31 23 00-0415 EA Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO)	1,056.33	41.14
Note: Mounted in 7100 panel.		
28 31 23 00-0416 EA Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP).....	842.70	41.14
Note: Mounted in 7100 panel.		
28 31 23 00-0417 Components And Accessories (28 31 23 00-0404)		
28 31 23 00-0418 EA Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100).....	525.00	30.86
28 31 23 00-0419 EA Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	406.43	41.14
28 31 23 00-0420 EA Fiber Optic Line Driver Module (Gamewell-FCI FLD-1).....	731.38	41.14
28 31 23 00-0421 EA Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM).....	304.93	41.14
28 31 23 00-0422 EA Replacement Enclosure Box (Gamewell-FCI EN-7100)	268.53	82.30
28 31 23 00-0423 EA Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	754.88	20.58
28 31 23 00-0424 E3 Series® Basic System (28 31 23 00-0403)		
28 31 23 00-0425 EA Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3).....	721.52	41.14
28 31 23 00-0426 EA Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	625.25	41.14
28 31 23 00-0427 EA Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	721.52	41.14
28 31 23 00-0428 EA Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3).....	625.25	41.14
28 31 23 00-0429 EA LCD Keypad Display (Gamewell-FCI LCD-E3).....	454.04	41.14
28 31 23 00-0430 EA Power Supply Module (Gamewell-FCI PM-9)	589.66	41.14
28 31 23 00-0431 EA Transponder 9 Ampere Power Supply (Gamewell-FCI PM-9 INX)	498.84	41.14
28 31 23 00-0432 EA Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	526.25	41.14
28 31 23 00-0433 EA Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	290.90	41.14
28 31 23 00-0434 EA Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	750.91	41.14
28 31 23 00-0435 EA Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	631.89	41.14
28 31 23 00-0436 EA Local Operating Console (Gamewell-FCI 1100-0455)	423.46	30.86
28 31 23 00-0437 EA Network Graphic Annunciator (Gamewell-FCI 1100-0505).....	1,336.71	30.86
28 31 23 00-0438 EA 70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70).....	542.41	41.14
28 31 23 00-0439 EA INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	1,618.33	41.14
28 31 23 00-0440 EA 8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	403.93	82.30
28 31 23 00-0441 EA C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	306.33	82.30
28 31 23 00-0442 EA Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP).....	68.25	20.58
28 31 23 00-0443 EA Programmable Switch Module (Gamewell-FCI ASM-16)	385.17	41.14
28 31 23 00-0444 EA LED Driver module (Gamewell-FCI ANU-48).....	385.17	41.14
28 31 23 00-0445 EA Network Graphic Annunciator (Gamewell-FCI NGA)	1,122.12	30.86
28 31 23 00-0446 Addressable Devices, Module, Pulls And Accessories (28 31 23 00-0403)		
28 31 23 00-0447 Velociti® Series Sensors And Bases (28 31 23 00-0446)		
28 31 23 00-0448 EA Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F).....	128.84	30.86
28 31 23 00-0449 EA Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F).....	131.29	30.86

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0450	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	138.66	30.86
28 31	23 00-0451	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	109.19	30.86
28 31	23 00-0452	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-LH2F)	113.29	30.86
28 31	23 00-0453	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	109.19	30.86
28 31	23 00-0454	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	155.85	30.86
28 31	23 00-0455	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	327.74	30.86
28 31	23 00-0456	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	287.02	51.44
28 31	23 00-0457	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	319.77	51.44
28 31	23 00-0458	EA	Replacement Duct Detector Board (Gamewell-FCI ADP-F-SB)	165.89	51.44
28 31	23 00-0459	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velocity Sensors (Gamewell-FCI ADB-FLF)	33.68	10.28
28 31	23 00-0460	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	352.29	30.86
28 31	23 00-0461	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	71.74	10.28
28 31	23 00-0462	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	1,228.43	61.72
28 31	23 00-0463		Velociti® Series Modules And Pull Station (28 31 23 00-0446)		
28 31	23 00-0464	EA	Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2F)	93.12	20.58
28 31	23 00-0465	EA	Dual Style "B", Class "B" Addressable Monitor Module (Gamewell-FCI AMM-2IF)	145.09	20.58
28 31	23 00-0466	EA	Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4F)	101.30	20.58
28 31	23 00-0467	EA	Subloop Style "D", Class "A" Addressable Monitor Module (Gamewell-FCI AMM-4SF)	139.36	20.58
28 31	23 00-0468	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	117.67	20.58
28 31	23 00-0469	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	121.76	20.58
28 31	23 00-0470	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	175.20	41.14
28 31	23 00-0471	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	166.61	41.14
28 31	23 00-0472	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	20.51	4.12
28 31	23 00-0473		Components And Accessories (28 31 23 00-0446)		
28 31	23 00-0474	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z)	53.37	16.46
			Note: Mounts on single gang box.		
28 31	23 00-0475	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	51.37	20.58
28 31	23 00-0476	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	53.01	20.58
28 31	23 00-0477	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	54.65	20.58
28 31	23 00-0478	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	69.79	20.58
28 31	23 00-0479	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451)	78.75	16.46
			Note: Mounts on single gang box.		
28 31	23 00-0480		Fixed And Rate of Rise Heat Detectors (28 31 23 00-0446)		
28 31	23 00-0481	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	75.63	30.86
28 31	23 00-0482	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	75.63	30.86
28 31	23 00-0483	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	75.63	30.86
28 31	23 00-0484	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	75.63	30.86
28 31	23 00-0485		NAC Expander/Power Supply (28 31 23 00-0446)		
28 31	23 00-0486	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amp, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	1,247.66	329.17
28 31	23 00-0487	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,092.14	329.17
28 31	23 00-0488	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,169.90	329.17
28 31	23 00-0489		Batteries And Accessories (28 31 23 00-0403)		
28 31	23 00-0490	EA	B-17R, 12 Volt, 17 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	181.92	20.58
28 31	23 00-0491	EA	B-55R, 12 Volt, 55 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	448.76	20.58
28 31	23 00-0492	EA	B-7R, 12 Volt, 7 Amp Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	100.07	20.58
28 31	23 00-0493	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	312.73	82.30
28 31	23 00-0494	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	312.73	82.30
28 31	23 00-0495	EA	12"H x 12"W x 24"L Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	288.99	82.30
28 31	23 00-0496		Electronic Door Holders (28 31 23 00-0403)		
			Note: Rixson products.		
28 31	23 00-0497	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	32.29	4.12
28 31	23 00-0498	EA	FM-980, Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90000)	258.16	30.86
28 31	23 00-0499	EA	FM-981, Floor Mount Holder For Double Doors, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90001)	347.38	30.86
28 31	23 00-0500	EA	FM-990, Low Profile Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90002)	169.27	30.86
28 31	23 00-0501	EA	FM-996, Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90003)	161.91	30.86
28 31	23 00-0502	EA	FM-997 Recessed Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90004)	169.27	30.86
28 31	23 00-0503	EA	FM-998, Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Gamewell-FCI 140-90005)	168.94	30.86
28 31	23 00-0504		SpectraAlert® Advance Wall Mount 2-Wire Horn/Strobes (28 31 23 00-0403)		
28 31	23 00-0505	EA	2 Wire Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2R)	123.11	30.86
28 31	23 00-0506	EA	2 Wire Horn/Strobe, 12/24 Volt, White, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2W)	123.11	30.86
28 31	23 00-0507	EA	2 Wire Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK)	145.21	30.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0508 EA Replacement Outdoor Horn/Strobe, 12/24 Volt, Red, 15, 15/75, 30, 75, 110 And 115 Candela (Gamewell-FCI P2RK-R).....	113.17	20.58
28 31 23 00-0509 SpectrAlert® Advance Accessories (28 31 23 00-0403)		
28 31 23 00-0510 EA Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBS-2)	20.94	6.17
28 31 23 00-0511 EA White Wall Surface Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSW-2)	20.94	6.17
28 31 23 00-0512 EA Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSC-2).....	24.63	6.17
28 31 23 00-0513 EA White, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI BBSCW-2).....	24.63	6.17
28 31 23 00-0514 EA Weatherproof, Red, Wall Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBB).....	30.77	6.17
28 31 23 00-0515 EA Weatherproof, Red, Ceiling Mount Backbox Skirt For Horn/Strobe (Gamewell-FCI SA-WBBC)	30.77	6.17
28 31 23 00-0516 Fire Alarm Programming (28 31 23 00-0403)		
Note: For device replacement projects only. Do not use these tasks on projects where a fire alarm panel is replaced.		
28 31 23 00-0517 EA Program And Test Up To 5 Fire Alarm Devices.....	500.00	
28 31 23 00-0518 EA Program And Test >5 To 20 Fire Alarm Devices	1,000.00	
28 31 23 00-0519 EA Program And Test >20 To 50 Fire Alarm Devices	2,000.00	
28 31 23 00-0520 Simplex Fire Alarm (28 31 23)		
28 31 23 00-0521 4100 Fire Alarm Control Panel (28 31 23 00-0520)		
28 31 23 00-0522 EA 4100U Master Controller Assembly With LCD And Operator Interface, 9 Amp System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	3,862.07	411.46
28 31 23 00-0523 EA 4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amp System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt Input (Simplex 4100-9141)	4,179.54	411.46
28 31 23 00-0524 EA 4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	5,842.29	411.46
28 31 23 00-0525 EA IDNet Module, Up To 127 Points (Simplex 4100-3104).....	2,614.47	411.46
Note: Add-on module.		
28 31 23 00-0526 EA IDNet Module, Up To 64 Points (Simplex 4100-3105).....	2,130.31	411.46
Note: Add-on module.		
28 31 23 00-0527 EA Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101)	1,155.86	102.86
Note: Add-on module.		
28 31 23 00-0528 EA Alarm Relay, 3 Form C Relays, 2 Amp @ 32 Volt DC, For SPS Or RPS (Simplex 4100-6033)	241.34	20.58
Note: Add-on module.		
28 31 23 00-0529 EA Dual Port RS-232 Interface Card (Simplex 4100-6038).....	674.56	20.58
Note: Add-on module.		
28 31 23 00-0530 4100U Backbox (28 31 23 00-0520)		
28 31 23 00-0531 EA 2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425)	1,191.82	82.30
Note: 24" x 40" beige backbox.		
28 31 23 00-0532 EA 3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443)	1,662.85	82.30
Note: 24" x 56" beige backbox.		
28 31 23 00-0533 DACT (Digital Alarm Communicator Transmitter) (28 31 23 00-0520)		
28 31 23 00-0534 EA 6 Zone Fire Control Communicator (Silent Knight SK-5104)	650.74	41.14
28 31 23 00-0535 4010 Fire Alarm Control Panel (28 31 23 00-0520)		
28 31 23 00-0536 EA 120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	3,667.44	411.46
28 31 23 00-0537 EA 240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201).....	3,699.53	411.46
28 31 23 00-0538 EA Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806).....	134.66	20.58
28 31 23 00-0539 EA Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	560.06	20.58
28 31 23 00-0540 EA Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812).....	767.27	20.58
28 31 23 00-0541 EA 120 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9813)	397.79	20.58
28 31 23 00-0542 EA 240 Volt AC, 4 Amp Expansion Power Supply Expansion Module (Simplex 4010-9823)	429.87	20.58
28 31 23 00-0543 EA Battery Meter Module Expansion Module (Simplex 4010-9820)	165.83	20.58
28 31 23 00-0544 Printer (28 31 23 00-0520)		
28 31 23 00-0545 EA 24 Pin Dot Matrix Printer (Simplex 4190-9013).....	1,156.71	20.58
28 31 23 00-0546 NAC Panel / Power Booster (28 31 23 00-0520)		
28 31 23 00-0547 EA IDNet NAC Extender With 4, Class B (Style Y) NACs and 8 Amp Power Supply, 120 Volt AC (Simplex 4009-9201).....	789.05	102.86
Note: Power supply for horns and strobes.		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0548 Battery <small>(28 31 23 00-0520)</small>		
28 31 23 00-0549 EA 50 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9296).....	473.37	20.58
Note: Two required for 24 volt DC.		
28 31 23 00-0550 EA 33 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9276).....	317.61	20.58
Note: Two required for 24 volt DC.		
28 31 23 00-0551 EA 6.2 Amp Hours Sealed Lead Acid Battery (Simplex 2081-9272)	120.32	20.58
Note: Two required for 24 volt DC.		
28 31 23 00-0552 Interface Modules <small>(28 31 23 00-0520)</small>		
28 31 23 00-0553 EA Supervised Individual Addressable Modules (Simplex 4090-9001)	98.91	20.58
Note: Monitor modules for waterflow/tamper, etc.		
28 31 23 00-0554 EA Relay Individual Addressable Modules (Simplex 4090-9002)	195.06	20.58
Note: Control modules for gas shutdown, door holders, etc.		
28 31 23 00-0555 EA Relay SPDT With LED MR-801/T (Simplex 2088-9032)	53.62	20.58
Note: Interface relay for 120VAC		
28 31 23 00-0556 EA SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815).....	99.97	20.58
28 31 23 00-0557 EA Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817).....	45.00	10.28
28 31 23 00-0558 EA Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	42.97	10.28
28 31 23 00-0559 Pull Stations <small>(28 31 23 00-0520)</small>		
28 31 23 00-0560 EA Addressable Single Action Manual Pull Station (Simplex 4099-9001)	160.70	41.14
28 31 23 00-0561 EA N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	129.13	41.14
28 31 23 00-0562 EA N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	135.23	41.14
28 31 23 00-0563 EA Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	126.38	41.14
28 31 23 00-0564 EA N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	139.30	41.14
28 31 23 00-0565 EA N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	185.76	41.14
28 31 23 00-0566 EA Pre-Signal, N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	163.73	41.14
28 31 23 00-0567 EA Pre-Signal, N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	184.09	41.14
28 31 23 00-0568 EA Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	112.16	41.14
28 31 23 00-0569 EA Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	115.89	41.14
28 31 23 00-0570 EA Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	127.88	41.14
28 31 23 00-0571 EA N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	171.49	41.14
28 31 23 00-0572 EA Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	260.67	41.14
28 31 23 00-0573 EA Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	118.95	41.14
28 31 23 00-0574 EA Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	47.05	10.28
28 31 23 00-0575 Weatherproof Pull Stations <small>(28 31 23 00-0520)</small>		
28 31 23 00-0576 EA Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	151.53	41.14
28 31 23 00-0577 EA Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	74.10	10.28
28 31 23 00-0578 Heat / Smoke Sensor <small>(28 31 23 00-0520)</small>		
28 31 23 00-0579 EA 32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	121.69	30.86
28 31 23 00-0580 EA Photoelectric Smoke Sensor (Simplex 4098-9714).....	171.66	30.86
28 31 23 00-0581 EA Sensor Base With Relay Driver (Simplex 4098-9791)	314.71	10.28
28 31 23 00-0582 EA Standard Sensor Base (Simplex 4098-9792).....	161.95	10.28
28 31 23 00-0583 EA Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737)	99.29	20.58
Note: Relay for 4098-9791		
28 31 23 00-0584 Explosion Proof Heat Detector <small>(28 31 23 00-0520)</small>		
28 31 23 00-0585 EA 135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	128.08	30.86
28 31 23 00-0586 EA Explosion Proof Backbox (Killark JLX-21).....	79.63	10.28
28 31 23 00-0587 EA Explosion Proof Backbox Plugs (Killark CUP-2)	7.73	2.05
28 31 23 00-0588 Weatherproof Heat Detector <small>(28 31 23 00-0520)</small>		
28 31 23 00-0589 EA 194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	95.97	30.86
28 31 23 00-0590 200 Degree F Heat Detector <small>(28 31 23 00-0520)</small>		
28 31 23 00-0591 EA 194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	81.62	30.86
Note: Used in kiln rooms and kitchens.		
28 31 23 00-0592 Duct Smoke Sensor <small>(28 31 23 00-0520)</small>		
28 31 23 00-0593 EA Duct Sensor Housing (Simplex 4098-9755).....	257.69	16.46
28 31 23 00-0594 EA Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	353.46	37.03
Note: Relay output for AHU shutdown.		
28 31 23 00-0595 EA Duct Sampling Tube (Simplex 2098-9798)	33.58	6.17
Note: 25", 49", 73" or 97" sampling tube length.		
28 31 23 00-0596 EA Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	102.03	30.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0597 Interior Horn (28 31 23 00-0520)		
28 31 23 00-0598 EA Red With White "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	95.35	30.86
28 31 23 00-0599 EA White With Red "FIRE" Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	95.35	30.86
28 31 23 00-0600 Interior Horn Strobe (28 31 23 00-0520)		
28 31 23 00-0601 EA Wall Mounted Horn Strobe, Multi-Candela, Red (Wheelock HS4-24MCW-FR).....	127.10	30.86
28 31 23 00-0602 EA Surface Backbox For HS4 Series (Wheelock DBB-R).....	29.35	10.28
28 31 23 00-0603 EA Wall Mounted Horn Strobe, 75Cd, Red (Simplex 4903-9426).....	127.10	30.86
28 31 23 00-0604 EA Wall Mounted Horn Strobe, 110Cd, Red (Simplex 4903-9427).....	127.10	30.86
28 31 23 00-0605 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	119.86	30.86
28 31 23 00-0606 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	119.86	30.86
28 31 23 00-0607 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	119.86	30.86
28 31 23 00-0608 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	119.86	30.86
28 31 23 00-0609 EA Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	122.29	30.86
28 31 23 00-0610 EA Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	122.29	30.86
28 31 23 00-0611 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	126.56	30.86
28 31 23 00-0612 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	124.59	30.86
28 31 23 00-0613 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141).....	126.56	30.86
28 31 23 00-0614 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142).....	124.59	30.86
28 31 23 00-0615 EA Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227).....	119.86	30.86
28 31 23 00-0616 EA Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228).....	119.86	30.86
28 31 23 00-0617 EA Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229).....	119.86	30.86
28 31 23 00-0618 EA Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230).....	119.86	30.86
28 31 23 00-0619 Weatherproof Horn Strobe (28 31 23 00-0520)		
28 31 23 00-0620 EA Wall Mounted Weatherproof Horn Strobe, 4 Wire, Multi-Candela, Red (Wheelock MTWP-2475W-FR).....	134.71	30.86
28 31 23 00-0621 EA Weatherproof Surface Backbox For MTWP Series (Wheelock IOB-R).....	33.40	10.28
28 31 23 00-0622 Interior Strobe (28 31 23 00-0520)		
28 31 23 00-0623 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101).....	104.47	30.86
28 31 23 00-0624 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102).....	104.47	30.86
28 31 23 00-0625 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103).....	104.44	30.86
28 31 23 00-0626 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104).....	104.47	30.86
28 31 23 00-0627 EA Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105).....	113.67	30.86
28 31 23 00-0628 EA Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106).....	113.67	30.86
28 31 23 00-0629 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109).....	114.26	30.86
28 31 23 00-0630 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110).....	115.87	30.86
28 31 23 00-0631 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111).....	115.87	30.86
28 31 23 00-0632 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112).....	115.87	30.86
28 31 23 00-0633 EA Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201).....	104.47	30.86
28 31 23 00-0634 EA Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202).....	104.47	30.86
28 31 23 00-0635 EA Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203).....	104.47	30.86
28 31 23 00-0636 EA Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204).....	104.47	30.86
28 31 23 00-0637 EA Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSS-24MCW-FR).....	93.82	30.86
28 31 23 00-0638 EA Surface Backbox For RSS Series (Wheelock SHBB-R).....	31.91	10.28
28 31 23 00-0639 Weatherproof Strobe (28 31 23 00-0520)		
28 31 23 00-0640 EA Weatherproof Wall Mounted Strobe, Multi-Candela, Red (Wheelock RSSWP-2475W-FR).....	117.50	30.86

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0641 EA Weatherproof Surface Backbox For RSSWP Series (Wheelock WPSBB-R).....	35.93	10.28
28 31 23 00-0642 Interior Speakers (28 31 23 00-0520)		
28 31 23 00-0643 EA Red With White "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716).....	87.56	30.86
28 31 23 00-0644 EA White With Red "FIRE" Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717).....	87.56	30.86
28 31 23 00-0645 EA Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721).....	87.56	30.86
28 31 23 00-0646 Interior Speaker Strobe (28 31 23 00-0520)		
28 31 23 00-0647 EA Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151).....	134.28	30.86
28 31 23 00-0648 EA White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153).....	134.28	30.86
28 31 23 00-0649 Surge Suppressors (28 31 23 00-0520)		
28 31 23 00-0650 EA Overvoltage Suppressor (Simplex 2081-9044).....	80.88	6.17
28 31 23 00-0651 EA Isolated Loop Circuit Protector (Simplex 2081-9028).....	52.68	6.17
28 31 23 00-0652 EA 120 Volt, 20 Amp Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A).....	170.21	6.17
28 31 23 00-0653 EA 24 Volt Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B).....	59.95	6.17
28 31 23 00-0654 EA Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB).....	90.74	10.28
28 31 23 00-0655 EA 120 Volt, 22,500 Amp, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW).....	64.66	6.17
28 31 23 00-0656 EA <105 Volt, 9,000 Amp, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP).....	49.16	6.17
28 31 23 00-0657 Boxes And Adapters (28 31 23 00-0520)		
28 31 23 00-0658 EA Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921).....	42.97	10.28
28 31 23 00-0659 EA Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925).....	40.94	10.28
28 31 23 00-0660 EA Red, Surface Mount Adapter Skirt (Simplex 4905-9937).....	36.94	10.28
28 31 23 00-0661 EA White, Surface Mount Adapter Skirt (Simplex 4905-9940).....	31.28	10.28
28 31 23 00-0662 Accessories (28 31 23 00-0520)		
28 31 23 00-0663 EA End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008).....	22.95	10.28
28 31 23 00-0664 Covers (28 31 23 00-0520)		
28 31 23 00-0665 EA Pull Station Polycarbonate Cover, Semi Flush (STI-1200).....	93.76	20.58
28 31 23 00-0666 EA Pull Station Polycarbonate Cover With Spacer (STI-1230).....	102.53	20.58
Note: For surface mounted pull stations.		
28 31 23 00-0667 EA Horn Strobe Polycarbonate Cover With Spacer (STI-1210D).....	102.53	20.58
Note: For surface mounted horn strobes.		
28 31 23 00-0668 EA Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E).....	93.76	20.58
28 31 23 00-0669 EA Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D).....	102.53	20.58
Note: For surface mounted strobe.		
28 31 23 00-0670 EA Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E).....	93.76	20.58
28 31 23 00-0671 EA Gasket Kit For STI Covers (STI SUB-121).....	29.89	
28 31 23 00-0672 Siemens Fire Alarm (28 31 23)		
28 31 23 00-0673 Conventional Control Panels (28 31 23 00-0672)		
28 31 23 00-0674 SXL Batteries And Power Supplies (28 31 23 00-0673)		
28 31 23 00-0675 EA 6 Amp Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3).....	678.64	41.14
28 31 23 00-0676 EA Main Board Only For PAD-3 (Siemens PAD-3-MB).....	550.02	41.14
28 31 23 00-0677 Digital Fire Communicators (28 31 23 00-0673)		
28 31 23 00-0678 EA Four Channel Digital Slave Fire Communicator (Siemens 5129).....	533.07	41.14
28 31 23 00-0679 Addressable Control Panels (28 31 23 00-0672)		
28 31 23 00-0680 Fireseeker Equipment (28 31 23 00-0679)		
28 31 23 00-0681 FS-250 System Panels (28 31 23 00-0680)		
28 31 23 00-0682 EA FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT).....	1,767.71	411.46
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 31 23 00-0683 EA FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	2,160.60	411.46
Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0684 EA FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	1,324.83	329.17
Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 31 23 00-0685 EA Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	1,770.05	411.46



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0686 FS-250 Optional Modules <small>(28 31 23 00-0680)</small>						
	28 31 23 00-0687	EA		Main Board Module (Siemens FS-MB2)	683.32	41.14
	28 31 23 00-0688	EA		Display Board Module (Siemens FS-DB2).....	527.57	20.58
	28 31 23 00-0689	EA		Device Loop Card (Siemens FS-DLC)	434.02	20.58
	28 31 23 00-0690	EA		Releasing Module (Siemens FS-REL)	197.83	20.58
	28 31 23 00-0691	EA		Remote LCD Annunciator (Siemens FS-RD2).....	431.10	20.58
	28 31 23 00-0692	EA		Relay Processor Card (Siemens FS-RU2).....	375.56	20.58
	28 31 23 00-0693	EA		Relay Expander Board (Siemens FS-RE8).....	321.77	20.58
	28 31 23 00-0694	EA		Serial Annunciator Processor Card (Siemens FS-SAU2)	431.10	20.58
	28 31 23 00-0695	EA		16 Output Annunciator Extender (Siemens FS-SAE16)	338.14	20.58
	28 31 23 00-0696	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT)	308.33	20.58
	28 31 23 00-0697	EA		Municipal Tie Module (Siemens FS-MT).....	263.31	20.58
	28 31 23 00-0698	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	250.09	
	28 31 23 00-0699	EA		Programming Cable Kit (Siemens CBL-UD)	65.60	10.28
	28 31 23 00-0700	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	118.90	20.58
	28 31 23 00-0701	EA		Releasing Power Transformer (Siemens FS-RPT-A)	120.65	20.58
	28 31 23 00-0702	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	133.47	16.46
	28 31 23 00-0703	EA		Cabinet Trim Kit (Siemens RD-CAB-TK)	210.01	10.28
28 31 23 00-0704 Firefinder Systems <small>(28 31 23 00-0679)</small>						
28 31 23 00-0705 XLS Basic Fire System Packages Without Backbox <small>(28 31 23 00-0704)</small>						
	28 31 23 00-0706	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,944.77	411.46
	28 31 23 00-0707	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	5,277.10	411.46
	28 31 23 00-0708	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP)	5,277.10	411.46
	28 31 23 00-0709	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	8,595.57	411.46
	28 31 23 00-0710	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD)..... Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	8,872.70	411.46
	28 31 23 00-0711	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP)	5,209.87	411.46
	28 31 23 00-0712	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP)	5,209.87	411.46
	28 31 23 00-0713	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP)	5,990.96	411.46
				Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 31 23 00-0714 Firefinder - XLS Basic System Equipment <small>(28 31 23 00-0704)</small>						
	28 31 23 00-0715	EA		Person Machine Interface With Central Processor (Siemens PMI).....	2,771.56	411.46
				Note: Includes inner door.		
	28 31 23 00-0716	EA		Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC)	4,496.86	411.46
				Note: Includes inner door.		
	28 31 23 00-0717	EA		Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)	2,771.56	411.46
				Note: Includes inner door.		
	28 31 23 00-0718	EA		Two Slot Card Cage (Siemens CC-2).....	331.13	20.58
	28 31 23 00-0719	EA		Five Slot Card Cage (Siemens CC-5).....	553.88	20.58
	28 31 23 00-0720	EA		Four Circuit Zone Indicating Card (Siemens ZIC-4A)	787.74	20.58
	28 31 23 00-0721	EA		Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	822.23	20.58
	28 31 23 00-0722	EA		Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	265.65	20.58
	28 31 23 00-0723	EA		Device Loop Card (Siemens DLC).....	932.15	20.58
				Note: Interfaces with up to 252 detectors and devices.		
	28 31 23 00-0724	EA		Controllable Relay Card (Siemens CRC-6).....	531.66	20.58
				Note: Provides six programmable relays.		
	28 31 23 00-0725	EA		12 Amp Power Supply Charger Module (Siemens PSC-12).....	1,989.78	20.58
	28 31 23 00-0726	EA		Person Machine Interface With Central Processor And GPML-UK Software Upgrade Kit (Siemens GPML)	3,551.48	411.46
				Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0727 EA Network Interface Card (Siemens NIC-C).....	620.53	20.58
Note: Provides HNET Or XNET communication between enclosures.		
28 31 23 00-0728 EA 12 Amp Power Supply Extender (Siemens PSX-12).....	1,656.53	20.58
Note: Extends PSC-12 with an additional 24 volt DC.		
28 31 23 00-0729 EA Power Termination Board (Siemens PTB)	286.69	20.58
Note: Used with systems requiring more than one PSX-12.		
28 31 23 00-0730 EA Conventional Detector Card (Siemens CDC-4)	598.31	20.58
28 31 23 00-0731 EA Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	1,163.67	20.58
28 31 23 00-0732 EA Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	4,161.75	20.58
28 31 23 00-0733 Remote Lobby Enclosure (28 31 23 00-0704)		
28 31 23 00-0734 EA 14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2).....	800.09	82.30
Note: Flush mounted. Includes clear lens plate on cover.		
28 31 23 00-0735 EA 24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)	1,022.26	82.30
Note: Flush mounted. Includes clear lens plate on cover.		
28 31 23 00-0736 EA Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP).....	130.59	20.58
Note: Required to mount up to four SIM-16 or OCM-16 modules.		
28 31 23 00-0737 EA Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP).....	141.70	20.58
Note: Required to mount up to eight SIM-16 or OCM-16 modules.		
28 31 23 00-0738 Battery Enclosures (28 31 23 00-0704)		
28 31 23 00-0739 EA Enclosure For 100 Amp Hours Batteries (Siemens CAB-BATT).....	510.11	82.30
28 31 23 00-0740 Graphic Annunciator Output Drivers And Inputs (28 31 23 00-0704)		
28 31 23 00-0741 EA Output Control Module (Siemens OCM-16)	386.67	20.58
28 31 23 00-0742 EA Supervised Input Module (Siemens SIM-16)	386.67	20.58
28 31 23 00-0743 Remote LCD Displays (28 31 23 00-0704)		
28 31 23 00-0744 EA Remote LED/LCD System Status Display (Siemens SSD).....	902.78	61.72
Note: No control or menu capability.		
28 31 23 00-0745 EA Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,014.45	61.72
28 31 23 00-0746 Voice Equipment (28 31 23 00-0704)		
28 31 23 00-0747 EA 40W Zone Amplifier Card (Siemens ZAC-40)	878.36	20.58
28 31 23 00-0748 EA 180W Zone Amplifier Module (Siemens ZAM-180).....	1,934.82	20.58
28 31 23 00-0749 EA Live Voice Module (Siemens LVM)	820.48	20.58
Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.		
28 31 23 00-0750 MXL Series Equipment (28 31 23 00-0679)		
28 31 23 00-0751 MXL Optional Equipment (28 31 23 00-0750)		
28 31 23 00-0752 EA Two Circuit Analog Loop Driver (Siemens ALD-2I).....	954.60	41.14
28 31 23 00-0753 EA CXL/MXL Interface Module (Siemens CMI-300)	2,426.51	20.58
28 31 23 00-0754 EA Four Relay Programmable Relay Module (Siemens CRM-4)	424.67	20.58
28 31 23 00-0755 EA Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	510.61	20.58
28 31 23 00-0756 EA Remote Conventional Zone Module (Siemens CZM-1B6)	198.41	20.58
28 31 23 00-0757 EA Short Circuit Line Isolator Module (Siemens Model LIM-1)	126.50	20.58
28 31 23 00-0758 EA Four Circuit Conventional Zone Module (Siemens CZM-4)	497.17	20.58
28 31 23 00-0759 EA 12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	190.34	30.86
28 31 23 00-0760 EA Lexan Window For RCC (Siemens GENBOX-WD).....	127.04	16.46
28 31 23 00-0761 EA Input Driver Module (Siemens MID-16).....	329.37	20.58
28 31 23 00-0762 EA Programmable Output Driver Module (Siemens MOD-16).....	329.37	20.58
28 31 23 00-0763 EA MXL Output/Input Module (Siemens MOI-7).....	521.14	20.58
28 31 23 00-0764 EA Two Slot Network Option Module Card Cage (Siemens MOM-2)	282.02	20.58
28 31 23 00-0765 EA Four Slot Network Option Module Card Cage (Siemens MOM-4).....	438.12	20.58
28 31 23 00-0766 EA 12 Amp, 220 Volt AC Power Supply For MXL (Siemens MPS-12/220).....	1,082.85	61.72
28 31 23 00-0767 EA 12 Amp, 240 Volt AC Power Supply For MXL (Siemens MPS-12/240).....	1,082.85	61.72
28 31 23 00-0768 EA Network Interface Module (Siemens NIM-1W).....	772.54	20.58
28 31 23 00-0769 EA U.L. Listed Parallel Printer (Siemens PAL-1)	2,035.46	82.30
28 31 23 00-0770 EA Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	233.49	20.58
28 31 23 00-0771 EA Surface Mounted Remote Command Center (Siemens RCC-1).....	2,381.01	411.46
28 31 23 00-0772 EA Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	288.68	41.14
28 31 23 00-0773 EA Flush Mounted Remote Command Center (Siemens RCC-1F)	2,381.01	411.46
28 31 23 00-0774 EA Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	295.70	41.14
28 31 23 00-0775 EA Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	1,875.29	411.46
28 31 23 00-0776 EA MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	2,710.75	411.46
28 31 23 00-0777 EA RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	46.89	10.28
28 31 23 00-0778 EA Remote Diagnostics Module For MXL (Siemens RDM-MXL)	3,122.48	41.14
28 31 23 00-0779 EA Remote Diagnostics Module For PC (Siemens RDM-PC)	6,628.63	41.14
28 31 23 00-0780 EA Releasing End Of Line Module (Siemens REL-EOL).....	104.87	20.58
28 31 23 00-0781 EA 36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	1,998.20	41.14
28 31 23 00-0782 EA 36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	1,908.75	41.14
28 31 23 00-0783 EA 8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	1,042.14	82.30



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0784				Complete MXL And MXLV System Packages Without Enclosure <small>(28 31 23 00-0750)</small>		
			EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) 7,637.33	411.46	
				Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
			EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP)..... 9,828.60	411.46	
				Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
			EA	MXLV Demonstration Panel (Siemens MXLV DEMO) 20,062.32	411.46	
28 31 23 00-0788				MXL Basic System <small>(28 31 23 00-0750)</small>		
			EA	MXL/MXLV Main Control Board (Siemens MMB-3) 4,880.12	411.46	
			EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) 6,189.16	411.46	
				Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
			EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2) 1,688.33	41.14	
			EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5) 2,110.45	41.14	
			EA	6 Amp Power Supply For MXL (Siemens MPS-6) 754.86	61.72	
			EA	220/240 Volt AC Adapter Cable (Siemens CIA-12) 58.58	10.28	
28 31 23 00-0795				MXL/MXLV System Expansion Accessories <small>(28 31 23 00-0750)</small>		
			EA	MXL Remote Power Supply Module (Siemens PSR-1) 920.32	61.72	
			EA	Style 4 Communication Module (Siemens NET-4) 192.56	20.58	
			EA	Style 7 Communication Module (Siemens NET-7) 342.82	20.58	
			EA	MXL/MXLV-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6) 209.52	20.58	
28 31 23 00-0800				Peripheral Devices <small>(28 31 23 00-0679)</small>		
28 31 23 00-0801				Thermal Detectors <small>(28 31 23 00-0800)</small>		
			EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)..... 90.37	30.86	
			EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)..... 90.37	30.86	
			EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)..... 90.37	30.86	
			EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)..... 90.37	30.86	
			EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP) 134.22	30.86	
			EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP) 134.22	30.86	
			EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)..... 311.37	30.86	
28 31 23 00-0809				Beam Smoke Detector <small>(28 31 23 00-0800)</small>		
			EA	Linear Beam Smoke Detector (Siemens PBA-1191) 1,432.38	30.86	
			EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)..... 165.57	10.28	
			EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192) 167.33	10.28	
			EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193) 87.81	10.28	
28 31 23 00-0814				Bases For Detectors <small>(28 31 23 00-0800)</small>		
			EA	Detector Base (Siemens DB-11)..... 29.35	10.28	
			EA	Universal Base (Siemens DB-3S) 27.60	10.28	
28 31 23 00-0817				Manual Stations <small>(28 31 23 00-0800)</small>		
			EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP) 222.03	41.14	
28 31 23 00-0819				Addressable Devices <small>(28 31 23 00-0679)</small>		
28 31 23 00-0820				Intelligent Detectors And Devices For Firefinder XLS And FS-250 <small>(28 31 23 00-0819)</small>		
			EA	Addressable Fireprint Fire Detector (Siemens HFP-11) 162.28	30.86	
			EA	Addressable Thermal Fire Detector (Siemens HFPT-11) 141.82	30.86	
			EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR) 117.85	30.86	
			EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC) 83.35	30.86	
			EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW) 83.35	30.86	
			EA	Addressable Single Action Manual Pull Station (Siemens HMS-S) 205.66	41.14	
			EA	Addressable Double Action Manual Pull Station (Siemens HMS-D) 198.65	41.14	
			EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)..... 126.50	20.58	
			EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D) 152.81	20.58	
			EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R) 152.81	20.58	
			EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)..... 117.73	20.58	
			EA	Line Isolator Module (Siemens HLIM)..... 121.24	20.58	

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0833 EA Remote Convention Zone Module (Siemens HZM)	175.02	20.58
28 31 23 00-0834 EA Intelligent Control Point Module (Siemens HCP)	219.46	20.58
28 31 23 00-0835 EA Handheld Programming And Testing Unit (Siemens DPU)	932.63	
28 31 23 00-0836 EA DPU Carrying Case (Siemens DPU-C1)	145.65	
28 31 23 00-0837 EA Label Printer And Carrying Case (Siemens DPU-PRT)	1,598.65	20.58
28 31 23 00-0838 Air Duct Housings And Detectors (28 31 23 00-0819)		
28 31 23 00-0839 EA Air-Duct Housing (Siemens AD2-P)	177.32	16.46
28 31 23 00-0840 EA Air-Duct Housing With Relay (Siemens AD2-XHR)	199.54	16.46
28 31 23 00-0841 EA Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	163.33	20.58
28 31 23 00-0842 EA 6" To 1' Duct Sampling Tube (Siemens ST-10)	52.83	20.58
28 31 23 00-0843 EA >1' To 3' Duct Sampling Tube (Siemens ST-25)	54.59	20.58
28 31 23 00-0844 EA >3' To 5' Duct Sampling Tube (Siemens ST-50)	58.09	20.58
28 31 23 00-0845 EA >5' To 10' Duct Sampling Tube (Siemens ST-100)	60.43	20.58
28 31 23 00-0846 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 31 23 00-0819)		
28 31 23 00-0847 EA Addressable Fireprint Fire Detector (Siemens FP-11)	168.71	30.86
28 31 23 00-0848 EA Addressable Thermal Fire Detector (Siemens FPT-11)	147.08	30.86
28 31 23 00-0849 EA Intelligent Ionization Smoke Detector (Siemens ILI-1)	185.08	30.86
28 31 23 00-0850 EA Addressable Single Action Manual Pull Station (Siemens MSI-10B)	201.57	41.14
28 31 23 00-0851 EA Addressable Double Action Manual Pull Station (Siemens MSI-20B)	217.35	41.14
28 31 23 00-0852 EA Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	162.16	20.58
28 31 23 00-0853 EA Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	178.53	20.58
28 31 23 00-0854 EA Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	178.53	20.58
28 31 23 00-0855 Detector Universal Bases (28 31 23 00-0819)		
28 31 23 00-0856 EA Detector Base With Relay (Siemens DB-X11RS)	76.12	10.28
28 31 23 00-0857 EA PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	41.04	10.28
28 31 23 00-0858 EA Locking Kit (Siemens LK-11)	8.70	
28 31 23 00-0859 EA Detector Base With Relay (Siemens DB-X3RS)	76.12	10.28
28 31 23 00-0860 EA Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	87.81	10.28
28 31 23 00-0861 EA Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	39.29	10.28
28 31 23 00-0862 EA Flush Trim Ring For Bases (Siemens RA-ADB)	19.37	6.17
28 31 23 00-0863 EA Seal For DB-11 (Siemens DB11-SEAL)	10.11	
28 31 23 00-0864 EA Gasket For DB-11 (Siemens DB-SEAL)	10.88	
28 31 23 00-0865 EA Detector Guard Housing (Siemens DGH-11)	109.45	10.28
28 31 23 00-0866 EA Small Detector Base (Siemens DB-11E)	31.69	10.28
28 31 23 00-0867 EA Audible Base For Series 3 (Siemens ADBI-60A)	98.34	10.28
28 31 23 00-0868 EA Base Plug (Siemens DB-11-DP)	8.67	
28 31 23 00-0869 Air Duct Smoke Detectors (28 31 23 00-0819)		
28 31 23 00-0870 EA Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	88.50	20.58
28 31 23 00-0871 EA Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	419.41	20.58
28 31 23 00-0872 Notification Devices (28 31 23 00-0679)		
28 31 23 00-0873 Synchronization Control Devices (28 31 23 00-0872)		
28 31 23 00-0874 EA Dual Synchronization Control Module (Siemens DSC)	126.50	20.58
28 31 23 00-0875 Stand Alone Strobes (28 31 23 00-0872)		
28 31 23 00-0876 EA Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	111.42	30.86
28 31 23 00-0877 EA Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	120.18	30.86
28 31 23 00-0878 EA Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	111.42	30.86
28 31 23 00-0879 EA Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	120.18	30.86
28 31 23 00-0880 EA Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	120.18	30.86
28 31 23 00-0881 EA Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	111.42	30.86
28 31 23 00-0882 EA Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	126.62	30.86
28 31 23 00-0883 EA Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	121.94	30.86
28 31 23 00-0884 EA Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	121.94	30.86
28 31 23 00-0885 EA Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	129.54	30.86
28 31 23 00-0886 EA Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	129.54	30.86
28 31 23 00-0887 Horns And Strobes (28 31 23 00-0872)		
28 31 23 00-0888 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	145.91	30.86
28 31 23 00-0889 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	153.51	30.86
28 31 23 00-0890 EA Wall Mounted Horn (Siemens SE-R)	90.37	30.86
28 31 23 00-0891 EA Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	145.91	30.86
28 31 23 00-0892 EA Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	153.51	30.86
28 31 23 00-0893 EA Ceiling Mounted Horn (Siemens SEC-R)	93.88	30.86
28 31 23 00-0894 EA Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	145.91	30.86
28 31 23 00-0895 EA Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	153.51	30.86
28 31 23 00-0896 EA Wall Mounted Low Profile Horn (Siemens SEF-R)	90.37	30.86
28 31 23 00-0897 EA Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	145.91	30.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-0898 EA Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	153.51	30.86
28 31 23 00-0899 EA Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	93.88	30.86
28 31 23 00-0900 EA Mini Horn (Siemens MH-R).....	77.51	30.86
28 31 23 00-0901 EA Indoor/Outdoor Multi Tone Horn (Siemens MTH-R).....	95.05	30.86
28 31 23 00-0902 EA Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R).....	138.31	30.86
28 31 23 00-0903 EA Industrial Tri-Tone Horn (Siemens ASR).....	368.66	30.86
28 31 23 00-0904 EA Wall Mounted Horn (Siemens HS-R).....	95.05	30.86
28 31 23 00-0905 EA Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	138.89	30.86
28 31 23 00-0906 EA Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	148.25	30.86
28 31 23 00-0907 EA 6" Motor Bell (Siemens MBDC-6).....	106.74	30.86
28 31 23 00-0908 EA 10" Motor Bell (Siemens MBDC-10).....	115.51	30.86
28 31 23 00-0909 Mounting Accessories (28 31 23 00-0872)		
28 31 23 00-0910 EA Concealed Conduit Adapter Plate (Siemens APS-R).....	27.60	10.28
28 31 23 00-0911 EA 4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R).....	27.60	10.28
28 31 23 00-0912 EA 4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R).....	28.18	10.28
28 31 23 00-0913 EA Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	42.21	10.28
28 31 23 00-0914 EA White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	34.61	10.28
28 31 23 00-0915 EA Surface Mounted Speaker Backbox (Siemens SBBS-R).....	36.37	10.28
28 31 23 00-0916 EA Surface Mounted Speaker Backbox (Siemens SBL2S-R).....	38.70	10.28
28 31 23 00-0917 EA Square Semi-Flush Extension Ring (Siemens SERS-R).....	31.69	10.28
28 31 23 00-0918 EA Semi-Flush Plate (Siemens SFPS-R).....	27.01	10.28
28 31 23 00-0919 EA Square Surface Backbox (Siemens SHBBS-R).....	31.69	10.28
28 31 23 00-0920 EA Horn Adapter Plate (Siemens SHMPS-R).....	30.52	10.28
28 31 23 00-0921 EA Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	27.60	10.28
28 31 23 00-0922 EA Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	34.61	10.28
28 31 23 00-0923 EA Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R).....	36.37	10.28
28 31 23 00-0924 EA Weatherproof Speaker Backbox (Siemens WBBS-R).....	35.20	10.28
28 31 23 00-0925 EA Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B).....	38.70	10.28
28 31 23 00-0926 EA Weatherproof Flush Plate (Siemens WFPAS-R).....	38.70	10.28
28 31 23 00-0927 EA Weatherproof Horn Flush Plate (Siemens WFPS-R).....	38.70	10.28
28 31 23 00-0928 EA Weatherproof Horn Backbox (Siemens WPBBS-R).....	36.37	10.28
28 31 23 00-0929 EA Weatherproof Strobe Backbox (Siemens WPSBBS-R).....	36.37	10.28
28 31 23 00-0930 EA Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	27.60	10.28
28 31 23 00-0931 EA Z Series Backbox (Siemens ZBB-R).....	30.52	10.28
28 31 23 00-0932 Door Holders (28 31 23 00-0872)		
28 31 23 00-0933 EA 120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	212.56	30.86
28 31 23 00-0934 EA 24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D).....	212.56	30.86
28 31 23 00-0935 Voice Equipment (28 31 23 00-0679)		
28 31 23 00-0936 Voicecom (28 31 23 00-0935)		
28 31 23 00-0937 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM).....	3,228.75	411.46
28 31 23 00-0938 EA Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	5,011.94	411.46
28 31 23 00-0939 Johnson Controls Fire Alarm (28 31 23)		
28 31 23 00-0940 EA Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J).....	129.89	30.86
28 31 23 00-0941 EA Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J).....	128.62	30.86
28 31 23 00-0942 EA Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ).....	157.65	30.86
28 31 23 00-0943 EA Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ).....	157.25	30.86
28 31 23 00-0944 EA 411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD).....	415.62	41.14
28 31 23 00-0945 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ).....	123.41	30.86
28 31 23 00-0946 EA Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J).....	111.40	30.86
28 31 23 00-0947 EA Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ).....	108.85	30.86
28 31 23 00-0948 EA Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J).....	304.67	30.86
28 31 23 00-0949 EA 100 Watt Audio Amplifier @ 70.7 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-100).....	1,447.97	61.72
28 31 23 00-0950 EA AUDIO Amplifier, 100 Watt, 230 Volt, (Johnson Controls, Inc. #AA-100E).....	1,403.67	61.72
28 31 23 00-0951 EA 120 Watt Audio Amplifier @ 25 VRMS With Built-in Tone Generator, 120 Volt AC. (Johnson Controls, Inc. #AA-120).....	1,427.57	61.72
28 31 23 00-0952 EA AUDIO Amplifier, 120 Watt, 230 Volt, (Johnson Controls, Inc. #AA-120E).....	1,367.91	61.72
28 31 23 00-0953 EA 30 Watt Audio Amplifier @ 25 VRMS, 120 Volt AC. (Johnson Controls, Inc. #AA-30).....	678.63	61.72
28 31 23 00-0954 EA AUDIO Amplifier, 30 Watt, 230 Volt, (Johnson Controls, Inc. #AA-30E).....	678.63	61.72
28 31 23 00-0955 EA Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT).....	663.38	20.58
28 31 23 00-0956 EA IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT).....	689.68	20.58

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31	23 00-0957	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	508.71	20.58
28 31	23 00-0958	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	508.71	20.58
28 31	23 00-0959	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	361.21	20.58
28 31	23 00-0960	EA	Charger Power Supply - 6 Or 10 Amps; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	1,155.12	41.14
28 31	23 00-0961	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	508.71	20.58
28 31	23 00-0962	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	528.48	20.58
28 31	23 00-0963	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	456.85	20.58
28 31	23 00-0964	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	456.85	20.58
28 31	23 00-0965	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	82.62	18.51
28 31	23 00-0966	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	702.76	41.14
28 31	23 00-0967	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	1,512.72	41.14
28 31	23 00-0968	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	702.76	41.14
28 31	23 00-0969	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	1,512.72	41.14
28 31	23 00-0970	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	31.31	10.28
28 31	23 00-0971	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	77.45	10.28
28 31	23 00-0972	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	73.28	10.28
28 31	23 00-0973	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	33.09	10.28
28 31	23 00-0974	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	30.13	10.28
28 31	23 00-0975	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	516.83	41.14
28 31	23 00-0976	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	1,196.26	61.72
28 31	23 00-0977	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	1,263.31	61.72
28 31	23 00-0978	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	141.27	10.28
28 31	23 00-0979	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	96.58	10.28
28 31	23 00-0980	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-5025)	1,197.24	61.72
28 31	23 00-0981	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5025F)	1,106.85	61.72
28 31	23 00-0982	EA	Digital Audio Amplifier, 50 Watt, 25 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5025SF)	1,106.85	61.72
28 31	23 00-0983	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS. (Johnson Controls, Inc. #DAA-5070)	1,294.88	61.72
28 31	23 00-0984	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	1,196.26	61.72
28 31	23 00-0985	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Multi-Fiber. (Johnson Controls, Inc. #DAA-5070F)	1,196.26	61.72
28 31	23 00-0986	EA	Digital Audio Amplifier, 50 Watt, 70 VRMS, Single-Fiber. (Johnson Controls, Inc. #DAA-5070SF)	1,196.26	61.72
28 31	23 00-0987	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS. (Johnson Controls, Inc. #DAA-7525)	1,426.15	61.72
28 31	23 00-0988	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Multi Fiber. (Johnson Controls, Inc. #DAA-7525F)	1,426.15	61.72
28 31	23 00-0989	EA	Digital Audio Amplifier, 75 Watt, 25 VRMS, Single Fiber. (Johnson Controls, Inc. #DAA-7525SF)	1,426.15	61.72
28 31	23 00-0990	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	153.85	20.58
28 31	23 00-0991	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	232.02	20.58
28 31	23 00-0992	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	23.58	8.23
28 31	23 00-0993	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	25.42	8.23
28 31	23 00-0994	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	50.85	8.23
28 31	23 00-0995	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	29.54	8.23
28 31	23 00-0996	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	32.41	8.23
28 31	23 00-0997	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	233.34	20.58
28 31	23 00-0998	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	390.74	41.14
28 31	23 00-0999	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	335.47	61.72
28 31	23 00-1000	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	455.86	61.72
28 31	23 00-1001	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	496.09	61.72
28 31	23 00-1002	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	252.74	8.23
28 31	23 00-1003	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	379.42	8.23
28 31	23 00-1004	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	416.68	8.23
28 31	23 00-1005	EA	6.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S6)	683.82	82.30
28 31	23 00-1006	EA	8.0 Amps, 120 Volt AC Remote Charger Power Supply. Includes Main Printed Circuit Board, Transformers And Installation Instructions. (Johnson Controls, Inc. #FCPS-24S8)	688.17	82.30
28 31	23 00-1007	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	646.45	61.72
28 31	23 00-1008	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	118.93	10.28
28 31	23 00-1009	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	333.48	20.58
28 31	23 00-1010	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	184.12	30.86
28 31	23 00-1011	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	152.41	30.86
28 31	23 00-1012	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	159.63	30.86
28 31	23 00-1013	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	1,210.26	41.14
28 31	23 00-1014	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	1,474.85	41.14
28 31	23 00-1015	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	448.75	20.58
28 31	23 00-1016	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amp Power Supply, 120 Volt AC, Includes Door, Dress Panel And Back Box, Black. (Johnson Controls, Inc. #IFC-320)	3,127.87	329.17
28 31	23 00-1017	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	1,487.69	41.14
28 31	23 00-1018	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	19,855.31	987.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1019 EA Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F).....	21,643.34	987.51
28 31 23 00-1020 EA Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP).....	24,325.39	987.51
28 31 23 00-1021 EA Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W).....	21,643.34	987.51
28 31 23 00-1022 EA Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B).....	148.07	12.35
28 31 23 00-1023 EA Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB).....	165.95	12.35
28 31 23 00-1024 EA Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B).....	180.25	12.35
28 31 23 00-1025 EA Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B).....	332.24	12.35
28 31 23 00-1026 EA Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB).....	109.43	8.23
28 31 23 00-1027 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black. (Johnson Controls, Inc. #JABS-2D).....	173.22	18.51
28 31 23 00-1028 EA Surface (or Semi-flush) Mount Backbox. Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red. (Johnson Controls, Inc. #JABS-2DR).....	183.47	18.51
28 31 23 00-1029 EA Surface (or Semi-flush) Mount INA, ACS, Or SCS Backbox, Black. (Johnson Controls, Inc. #JABS-4D).....	330.26	18.51
28 31 23 00-1030 EA Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4).....	324.90	8.23
28 31 23 00-1031 EA Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4).....	436.66	8.23
28 31 23 00-1032 EA Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4).....	539.47	8.23
28 31 23 00-1033 EA Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX).....	159.75	20.58
28 31 23 00-1034 EA Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4).....	73.96	8.23
28 31 23 00-1035 EA JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D).....	3,121.10	329.17
28 31 23 00-1036 EA Central Processing Unit For The JCPU2-640 With Integral 120 Volt Power Supply, Includes CHS2-M2 Chassis. (Johnson Controls, Inc. #JCPU2-640).....	2,257.29	246.88
28 31 23 00-1037 EA Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D).....	4,008.68	329.17
28 31 23 00-1038 EA Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640).....	3,819.56	246.88
28 31 23 00-1039 EA Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E).....	2,782.68	246.88
28 31 23 00-1040 EA Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM).....	1,477.22	30.86
28 31 23 00-1041 EA Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF).....	1,492.14	30.86
28 31 23 00-1042 EA Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF).....	1,492.14	30.86
28 31 23 00-1043 EA Annunciator, Network Control. (Johnson Controls, Inc. #JNCA).....	1,767.98	41.14
28 31 23 00-1044 EA Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. Mounting Options Include: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D). (Johnson Controls, Inc. #JNCA-2).....	1,501.10	41.14
28 31 23 00-1045 EA Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP).....	1,387.77	246.88
28 31 23 00-1046 EA 160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160).....	1,071.64	41.14
28 31 23 00-1047 EA 80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80).....	884.75	41.14
28 31 23 00-1048 EA Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320).....	1,412.94	41.14
28 31 23 00-1049 EA Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32).....	436.29	10.28
28 31 23 00-1050 EA Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24).....	142.51	8.23
28 31 23 00-1051 EA Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48).....	174.69	8.23
28 31 23 00-1052 EA Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32).....	352.27	10.28
28 31 23 00-1053 EA Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32).....	642.82	10.28
28 31 23 00-1054 EA Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320).....	1,161.14	10.28
28 31 23 00-1055 EA Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ).....	95.13	10.28
28 31 23 00-1056 EA Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ).....	148.95	10.28
28 31 23 00-1057 EA Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ).....	75.63	10.28
28 31 23 00-1058 EA Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ).....	104.34	10.28
28 31 23 00-1059 EA Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devices. (Johnson Controls, Inc. #M301MJ).....	83.17	10.28
28 31 23 00-1060 EA Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ).....	132.83	10.28
28 31 23 00-1061 EA Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ).....	150.86	10.28
28 31 23 00-1062 EA SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ).....	87.01	10.28
28 31 23 00-1063 EA Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W).....	1,234.67	30.86
28 31 23 00-1064 EA Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F).....	1,095.18	20.58
28 31 23 00-1065 EA Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W).....	1,012.93	20.58
28 31 23 00-1066 EA Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO).....	39.52	4.12
28 31 23 00-1067 EA Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-F).....	887.24	20.58
28 31 23 00-1068 EA Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, Etc). (Johnson Controls, Inc. #NCM-W).....	845.28	20.58
28 31 23 00-1069 EA NFV-25/50. (Johnson Controls, Inc. #NFV-25/50).....	2,153.15	41.14
28 31 23 00-1070 EA NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U).....	602.06	20.58
28 31 23 00-1071 EA Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S).....	165.75	8.23

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

28 31 23 00-1072	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	383.56	20.58
28 31 23 00-1073	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	383.56	20.58
28 31 23 00-1074	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	104.08	8.23
28 31 23 00-1075	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	28.45	4.12
28 31 23 00-1076	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	28.45	4.12
28 31 23 00-1077	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCR)	115.37	30.86
28 31 23 00-1078	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCRH)	127.88	30.86
28 31 23 00-1079	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	142.18	30.86
28 31 23 00-1080	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	140.39	30.86
28 31 23 00-1081	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	932.54	82.30
28 31 23 00-1082	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	735.85	82.30
28 31 23 00-1083	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW)	115.37	30.86
28 31 23 00-1084	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SCWH)	127.88	30.86
28 31 23 00-1085	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SCW-P)	115.37	30.86
28 31 23 00-1086	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	22.14	8.23
28 31 23 00-1087	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	22.58	4.12
28 31 23 00-1088	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	25.45	4.12
28 31 23 00-1089	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	22.60	4.12
28 31 23 00-1090	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR)	106.74	30.86
28 31 23 00-1091	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH)	127.88	30.86
28 31 23 00-1092	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	142.18	30.86
28 31 23 00-1093	EA	Strobe, HI, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SRH-P)	127.88	30.86
28 31 23 00-1094	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	140.39	30.86
28 31 23 00-1095	EA	Strobe, Standard, 12/24 Volt DC, Red. (Johnson Controls, Inc. #SR-P)	115.37	30.86
28 31 23 00-1096	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW)	115.37	30.86
28 31 23 00-1097	EA	Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH)	127.88	30.86
28 31 23 00-1098	EA	Strobe, HI, 12/24 Volt DC, White. (Johnson Controls, Inc. #SWH-P)	127.88	30.86
28 31 23 00-1099	EA	Strobe, Standard, 12/24 Volt DC, White. (Johnson Controls, Inc. #SW-P)	115.37	30.86
28 31 23 00-1100	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	144.84	10.28
28 31 23 00-1101	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	637.25	41.14
28 31 23 00-1102	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi. (Johnson Controls, Inc. #SPSCW)	168.93	41.14
28 31 23 00-1103	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	73.59	20.58
28 31 23 00-1104	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	73.59	20.58
28 31 23 00-1105	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	127.77	20.58
28 31 23 00-1106	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	138.14	20.58
28 31 23 00-1107	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRHV)	138.14	20.58
28 31 23 00-1108	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	123.66	20.58
28 31 23 00-1109	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D. (Johnson Controls, Inc. #SPSWK)	165.15	20.58
28 31 23 00-1110	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	127.77	20.58
28 31 23 00-1111	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	73.59	20.58
28 31 23 00-1112	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	73.59	20.58
28 31 23 00-1113	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	138.14	20.58
28 31 23 00-1114	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	127.77	20.58
28 31 23 00-1115	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	127.77	20.58

28 31 23 00-1116 Notifier Fire Alarm (28 31 23)**28 31 23 00-1117 Fire Alarm Control Panel And Accessories (28 31 23 00-1116)**

28 31 23 00-1118	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	3,792.67	411.46
28 31 23 00-1119	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	3,183.14	411.46
28 31 23 00-1120	EA	NFS-320 Intelligent Fire Alarm Control Panel (Notifier NFS-320)	3,798.57	411.46
28 31 23 00-1121	EA	Loop Control Module (Notifier LCM-320)	1,284.53	41.14
28 31 23 00-1122	EA	Loop Expander Module (Notifier LEM-320)	1,112.78	41.14
28 31 23 00-1123	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	997.44	41.14

28 31 23 00-1124 ONYX CAB-4 Series Cabinets (28 31 23 00-1116)

28 31 23 00-1125	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	137.12	20.58
28 31 23 00-1126	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	244.88	20.58
28 31 23 00-1127	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	160.69	20.58
28 31 23 00-1128	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	310.92	30.86
28 31 23 00-1129	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	198.95	30.86
28 31 23 00-1130	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	462.84	41.14
28 31 23 00-1131	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	291.09	41.14
28 31 23 00-1132	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	560.85	51.44
28 31 23 00-1133	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	340.27	51.44
28 31 23 00-1134	EA	One Tier Backbox Assembly (Notifier SBB-A4)	257.30	61.72
28 31 23 00-1135	EA	Two Tier Backbox Assembly (Notifier SBB-B4)	363.27	82.30
28 31 23 00-1136	EA	Three Tier Backbox Assembly (Notifier SBB-C4)	476.08	82.30
28 31 23 00-1137	EA	Four Tier Backbox Assembly (Notifier SBB-D4)	581.22	102.86

28 31 23 00-1138 NFS2-3030/640 Cabinet Mechanicals (28 31 23 00-1116)

28 31 23 00-1139	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	180.43	30.86
28 31 23 00-1140	EA	Battery Dress Plate For NFS2-3030 (Notifier BP2-4)	78.57	12.35
28 31 23 00-1141	EA	Blank Module Dress Plate (Notifier BM-1B)	69.31	12.35
28 31 23 00-1142	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	83.62	12.35
28 31 23 00-1143	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	83.62	12.35



			MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1144			NFS-3030/640 Cabinet Mechanicals (28 31 23 00-1116)		
		EA	Annunciator Dress Plate (Notifier ADP-4B).....	76.89	12.35
		EA	Blank Module Dress Plate (Notifier BMP-1).....	50.79	12.35
		EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	113.54	20.58
		EA	Module Dress Plate (Notifier MP-1B).....	78.57	12.35
28 31 23 00-1149			Battery Cabinets (28 31 23 00-1116)		
		EA	Chassis, Mounts Up To 6 Modules (Notifier CHS-6).....	79.87	20.58
		EA	24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	367.59	61.72
28 31 23 00-1152			Digital Voice (28 31 23 00-1116)		
		EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	222.15	20.58
		EA	Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,261.89	20.58
		EA	Keypad For Digital Voice Command (Notifier DVC-KD).....	372.75	41.14
		EA	50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025).....	967.23	20.58
		EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025F).....	967.23	20.58
		EA	Single-Mode Fiber-Optic Media 50 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-5025SF).....	967.23	20.58
		EA	50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070).....	1,051.42	20.58
		EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 Vrms Digital Audio Amplifier (Notifier DAA-5070F).....	1,051.42	20.58
		EA	75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525).....	1,261.89	20.58
		EA	Multi-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525F).....	1,261.89	20.58
		EA	Single-Mode Fiber-Optic Media 75 Watt, 25 Vrms Digital Audio Amplifier (Notifier DAA-7525SF).....	1,261.89	20.58
		EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	101.76	20.58
		EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	309.24	30.86
		EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	77.73	12.35
		EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	89.52	12.35
		EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	152.66	12.35
		EA	Paging Microphone Only (Notifier MIC-1).....	151.43	20.58
28 31 23 00-1170			Digital Voice Cabinet Doors (28 31 23 00-1116)		
		EA	Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	352.17	30.86
		EA	Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	477.99	41.14
		EA	Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	595.37	51.44
28 31 23 00-1174			RM-1 Remote Microphone (28 31 23 00-1116)		
		EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1).....	363.59	20.58
		EA	Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	363.59	20.58
28 31 23 00-1177			Amplifiers (28 31 23 00-1116)		
		EA	30 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-30).....	563.96	20.58
		EA	100 Watt Audio Amplifier At 70.7 Vrms, 120 Volt AC (Notifier AA-100).....	1,246.74	20.58
		EA	120 Watt Audio Amplifier At 25 Vrms, 120 Volt AC (Notifier AA-120).....	1,213.06	20.58
		EA	Audio Coupling Transformer (Notifier ACT-1).....	95.02	20.58
		EA	Audio Coupling Transformer, Used With Analog Amplifiers (Notifier ACT-2).....	110.18	20.58
		EA	Audio Coupling Transformer, Used With DVC-AO (Notifier ACT-4).....	110.18	20.58
		EA	Audio Coupling Transformer, Used With DAA-5025 (Notifier ACT-25).....	110.18	20.58
		EA	Audio Coupling Transformer, Used With DAA-5070 (Notifier ACT-70).....	110.18	20.58
28 31 23 00-1186			FireVoice-25/50 Emergency Voice Evacuation Control Panel (28 31 23 00-1116)		
		EA	25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50).....	2,763.49	411.46
		EA	Zoned System 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	3,264.42	411.46
		EA	Zoned System With Telephone 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	3,592.76	411.46
		EA	Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	2,001.57	411.46
		EA	Single Channel 25 Watt, 25 Vrms Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	2,548.81	411.46
28 31 23 00-1192			System Printer (28 31 23 00-1116)		
		EA	80 Column Desktop Printer, 120 Volt AC (Notifier PRN-6).....	1,499.30	20.58
28 31 23 00-1194			Batteries (28 31 23 00-1116)		
		EA	7 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-1270).....	91.65	20.58
		EA	12 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12120).....	143.85	20.58
		EA	18 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12180).....	152.27	20.58
		EA	26 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12260).....	205.31	20.58
		EA	55 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-12550).....	342.54	20.58
		EA	100 Amp Hours Sealed Battery, 12 Volt (Notifier BAT-121000).....	588.37	20.58
28 31 23 00-1201			Battery Backboxes And Miscellaneous Mechanicals (28 31 23 00-1116)		

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1202 EA Battery Backbox, Mounts Up To Two 26 Amp Hours And Charger (Notifier BB-26)	295.07	82.30
28 31 23 00-1203 System Power Supplies And Chargers (28 31 23 00-1116)		
28 31 23 00-1204 EA Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	1,071.62	20.58
28 31 23 00-1205 EA 6A Auxiliary Power Supply (Notifier APS-6R)	523.55	20.58
28 31 23 00-1206 EA 25 To 120 Amp Hours Battery Charger (Notifier CHG-120)	825.79	20.58
28 31 23 00-1207 EA 80 Amps, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	537.86	20.58
28 31 23 00-1208 EA Main Power Supply And Charger, Up To 3 Amps (Notifier MPS-24A)	756.75	20.58
28 31 23 00-1209 Network Control Annunciators (28 31 23 00-1116)		
28 31 23 00-1210 EA Network Control Annunciator Used With NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	1,459.53	61.72
28 31 23 00-1211 EA Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	54.16	12.35
28 31 23 00-1212 EA Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	41.53	12.35
28 31 23 00-1213 FIRSTVISION Firefighter's Display (28 31 23 00-1116)		
28 31 23 00-1214 EA Replacement FIRSTVISION Touchscreen Assembly (Notifier FIRSTVISION-LCD)	10,485.75	411.46
28 31 23 00-1215 FlashScan Addressable Devices (28 31 23 00-1116)		
28 31 23 00-1216 EA Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNR)	137.31	16.46
28 31 23 00-1217 EA Watertight Intelligent Non-Relay Duct Smoke Detector Housing (Notifier DNRW)	230.57	20.58
28 31 23 00-1218 EA Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	145.07	30.86
28 31 23 00-1219 EA Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	273.04	30.86
28 31 23 00-1220 EA Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	735.24	30.86
28 31 23 00-1221 EA Low Profile Intelligent Addressable Photoelectric Smoke Detector (Notifier FSP-851)	148.44	30.86
28 31 23 00-1222 EA Intelligent Addressable Thermal Detector (Notifier FST-851)	123.18	30.86
28 31 23 00-1223 EA Intelligent Addressable High Temperature Thermal Detector (Notifier FST-851H)	123.18	30.86
28 31 23 00-1224 EA Intelligent Addressable Rate-Of-Rise Thermal Detector (Notifier FST-851R)	123.18	30.86
28 31 23 00-1225 EA Intelligent Addressable Control Module (Notifier FCM-1)	132.91	20.58
28 31 23 00-1226 EA Intelligent Addressable Dual Monitor Module (Notifier FDM-1)	148.06	20.58
28 31 23 00-1227 EA Intelligent Addressable Monitor Module (Notifier FMM-1)	111.02	20.58
28 31 23 00-1228 EA Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	99.23	20.58
28 31 23 00-1229 EA Intelligent Addressable 4-20mA Analog Input Module (Notifier FMM-4-20)	201.10	20.58
28 31 23 00-1230 EA Intelligent Addressable Relay Module (Notifier FRM-1)	127.86	20.58
28 31 23 00-1231 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	166.58	20.58
28 31 23 00-1232 EA Addressable Manual Dual Action Pull Station (Notifier NBG-12LX)	183.33	41.14
28 31 23 00-1233 EA SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	109.33	20.58
28 31 23 00-1234 Addressable Device Bases And Accessories (28 31 23 00-1116)		
28 31 23 00-1235 EA Intelligent Detector Base With Flange (Notifier B710LP)	36.58	10.28
28 31 23 00-1236 EA Weatherproof Device Housing (Notifier DH400OE-1)	224.67	20.58
28 31 23 00-1237 XP6/XP10 Transponder (28 31 23 00-1116)		
28 31 23 00-1238 EA Synchronization Daughter Module Used With XP6-C (Notifier SYNC-1)	95.02	20.58
28 31 23 00-1239 EA Ten Input Monitor Module (Notifier XP10-M)	544.59	20.58
28 31 23 00-1240 EA Six Circuit Supervised Control Module (Notifier XP6-C)	470.51	20.58
28 31 23 00-1241 EA Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	569.85	20.58
28 31 23 00-1242 EA Six Relay Control Module (Notifier XP6-R)	455.35	20.58
28 31 23 00-1243 LCD Display Annunciators (28 31 23 00-1116)		
28 31 23 00-1244 EA 80 Character LCD Fire Annunciator Used With FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	615.95	61.72
28 31 23 00-1245 EA 640 Character LCD Annunciator Used With NFS-3030 And NFS2-3030 (Notifier LCD-160)	896.30	61.72
28 31 23 00-1246 EA 80 Character LCD Annunciator Used With NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	872.73	61.72
28 31 23 00-1247 ONYX ACM And AEM Series LED Annunciators (28 31 23 00-1116)		
28 31 23 00-1248 EA 16 Alarm And 16 Trouble LED Annunciator Control Module (Notifier ACM-16AT)	627.10	20.58
28 31 23 00-1249 EA 16 Alarm And 16 Trouble LED Annunciator Expander Module (Notifier AEM-16AT)	481.45	20.58
28 31 23 00-1250 EA 24 Alarm And 24 Trouble LED Annunciator Control Module (Notifier ACM-24AT)	627.10	20.58
28 31 23 00-1251 EA 24 Alarm And 24 Trouble LED Annunciator Expander Module (Notifier AEM-24AT)	481.45	20.58
28 31 23 00-1252 EA 32 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-32A)	481.45	20.58
28 31 23 00-1253 EA 32 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-32A)	432.62	20.58
28 31 23 00-1254 EA 48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	481.45	20.58
28 31 23 00-1255 EA 48 Alarm And 1 Trouble LED Annunciator Expander Module (Notifier AEM-48A)	432.62	20.58
28 31 23 00-1256 Graphic Annunciator - Lamp Driver Modules (28 31 23 00-1116)		
28 31 23 00-1257 EA 32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	432.62	20.58
28 31 23 00-1258 EA 32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	353.48	20.58
28 31 23 00-1259 EA Single Annunciator Flush Mounted Backbox (Notifier ABF-1B)	198.48	41.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1260 EA Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	215.32	41.14
28 31 23 00-1261 EA Two Annunciator Flush Mounted Backbox (Notifier ABF-2B)	249.35	51.44
28 31 23 00-1262 EA Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	271.24	51.44
28 31 23 00-1263 EA Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	433.62	72.00
28 31 23 00-1264 EA Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	76.89	12.35
28 31 23 00-1265 EA Single Annunciator Surface Mounted Backbox (Notifier ABS-1B)	131.13	41.14
28 31 23 00-1266 EA Two Annunciator Surface Mounted Backbox (Notifier ABS-2B).....	161.44	41.14
28 31 23 00-1267 EA 12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	283.03	51.44
28 31 23 00-1268 EA Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	74.82	20.58
28 31 23 00-1269 EA 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	457.20	72.00
28 31 23 00-1270 Network Gateways (28 31 23 00-1116)		
28 31 23 00-1271 EA Embedded NFN Gateway (Notifier NFN-GW-EM)	1,724.93	20.58
28 31 23 00-1272 EA NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	1,724.93	20.58
28 31 23 00-1273 EA NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W).....	1,724.93	20.58
28 31 23 00-1274 NOTI-FIRE-NET Network Components (28 31 23 00-1116)		
28 31 23 00-1275 EA Interface Between NotiFireNet 50 And BACnet (Notifier BACNET GATEWAY)	1,724.93	20.58
28 31 23 00-1276 EA Fiber Optic Network Communications Module (Notifier NCM-F).....	805.58	20.58
28 31 23 00-1277 EA Wired Network Communications Module (Notifier NCM-W)	767.70	20.58
28 31 23 00-1278 EA Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	72.78	10.28
28 31 23 00-1279 EA NOTI-FIRE-NET Web Server (Notifier NWS).....	1,758.61	20.58
28 31 23 00-1280 FireWarden Addressable Fire Panels (28 31 23 00-1116)		
28 31 23 00-1281 EA 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	1,875.29	411.46
28 31 23 00-1282 EA 50 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	1,601.67	411.46
28 31 23 00-1283 FireWarden Accessories (28 31 23 00-1116)		
28 31 23 00-1284 EA 80 Character LCD Fire Annunciator (Notifier N-ANN-80)	395.37	61.72
28 31 23 00-1285 EA 10 Input LED Annunciator Module (Notifier N-ANN-LED)	335.80	20.58
28 31 23 00-1286 EA Relay Module With 10 Programmable Form C Relays (Notifier N-ANN-RLY)	251.61	20.58
28 31 23 00-1287 FireWarden Devices (28 31 23 00-1116)		
28 31 23 00-1288 EA Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	134.96	30.86
28 31 23 00-1289 EA Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	133.28	30.86
28 31 23 00-1290 EA Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	127.39	30.86
28 31 23 00-1291 EA Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	127.39	30.86
28 31 23 00-1292 EA Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	127.39	30.86
28 31 23 00-1293 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	254.51	30.86
28 31 23 00-1294 EA Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	305.03	30.86
28 31 23 00-1295 EA Intelligent Addressable Monitor Module (Notifier NMM-100)	106.81	20.58
28 31 23 00-1296 EA Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	97.13	20.58
28 31 23 00-1297 EA Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	161.53	20.58
28 31 23 00-1298 EA Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	569.85	20.58
28 31 23 00-1299 EA Two Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NDM-100)	123.65	20.58
28 31 23 00-1300 EA SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	108.49	20.58
28 31 23 00-1301 EA Intelligent Addressable Control Module (Notifier NC-100)	128.70	20.58
28 31 23 00-1302 EA Intelligent Addressable Relay Module (Notifier NC-100R)	123.65	20.58
28 31 23 00-1303 EA Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	182.49	41.14
28 31 23 00-1304 SFP-2402 And SFP-2404 2 And 4-Zone Control Panels (28 31 23 00-1116)		
28 31 23 00-1305 EA Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,040.55	329.17
28 31 23 00-1306 EA Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,141.58	329.17
28 31 23 00-1307 SFP-2402/2404, RP Series And SFP-400/SFP-400B Option Modules (28 31 23 00-1116)		
28 31 23 00-1308 EA Annunciator Interface Module (Notifier 4XLM)	120.28	20.58
28 31 23 00-1309 EA Transmitter Module (Notifier 4XTM).....	120.28	20.58
28 31 23 00-1310 EA Four Zone Relay Module (Notifier 4XZM)	137.96	20.58
28 31 23 00-1311 EA 100 VA, 120 Volt AC Power Expansion Transformer (Notifier XRM-24).....	114.38	20.58
28 31 23 00-1312 EA 100 VA, 240 Volt AC Power Expansion Transformer (Notifier XRM-24E)	114.38	20.58
28 31 23 00-1313 SFP-5UD 5 Zone Control Panels (28 31 23 00-1116)		
28 31 23 00-1314 EA Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	1,599.15	411.46
28 31 23 00-1315 SFP-10UD 10 Zone Control Panels And Accessories (28 31 23 00-1116)		
28 31 23 00-1316 EA 10 Zone Conventional Fire Alarm Control Panel (Notifier SFP-10UD).....	1,839.09	411.46
28 31 23 00-1317 EA Four Channel Stand Alone Fire Alarm Communicator (Notifier 411UDAC)	473.67	61.72

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 31 23 00-1318		Notifier Plug-in Smoke Detectors (28 31 23 00-1116)			
28 31 23 00-1319	EA	Conventional Carbon Monoxide Detector (Notifier CO1224)	195.96		41.14
28 31 23 00-1320		i3 Photoelectric Smoke Detectors (28 31 23 00-1116)			
28 31 23 00-1321	EA	Two Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 2WTA-B)	118.13		30.86
28 31 23 00-1322	EA	Four Wire, i3 Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (Notifier 4WTA-B)	118.97		30.86
28 31 23 00-1323	EA	Two Wire, i3 Photoelectric Smoke Detector (Notifier 2W-B)	114.76		30.86
28 31 23 00-1324	EA	Four Wire, i3 Photoelectric Smoke Detector (Notifier 4W-B)	116.44		30.86
28 31 23 00-1325		System Sensor Duct Smoke Detectors (28 31 23 00-1116)			
28 31 23 00-1326	EA	Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLP)	212.89		20.58
28 31 23 00-1327	EA	Weatherproof Four Wire Low Profile Photoelectric Duct Smoke Detector (Notifier DH100ACDCLWP)	281.08		20.58
28 31 23 00-1328	EA	4' To 8' Duct Width Sampling Tube (Notifier ST-5)	55.03		20.58
28 31 23 00-1329		System Detector Accessories (28 31 23 00-1116)			
28 31 23 00-1330	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS451Key)	113.54		20.58
28 31 23 00-1331		NBG-12 Series Pull Stations (28 31 23 00-1116)			
28 31 23 00-1332	EA	Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12L)	114.29		41.14
28 31 23 00-1333	EA	Outdoor Key Lock Dual Action Fire Alarm Pull Stations (Notifier NBG-12LOB)	199.32		41.14
28 31 23 00-1334	EA	Metal Surface Mount Backbox For Pullbox (Notifier SB-10)	45.54		16.46
28 31 23 00-1335	EA	Plastic Surface Mount Backbox For Pullbox (Notifier SB-I/O)	46.38		16.46
28 31 23 00-1336		Heat Detectors (28 31 23 00-1116)			
28 31 23 00-1337	EA	Single Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5601P)	76.03		30.86
28 31 23 00-1338	EA	Single Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5602)	76.03		30.86
28 31 23 00-1339	EA	Dual Circuit 135 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5621)	91.19		30.86
28 31 23 00-1340	EA	Dual Circuit 194 Degree F Fixed And Rate-Of-Rise Heat Detector (Notifier 5622)	91.19		30.86
28 31 23 00-1341		Rate Compensation Heat Detectors (28 31 23 00-1116)			
28 31 23 00-1342	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-135)	130.76		30.86
28 31 23 00-1343	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Notifier 302-EPM-194)	130.76		30.86
28 31 23 00-1344		Stopper Pull Station Covers (28 31 23 00-1116)			
28 31 23 00-1345	EA	Pull Station Polycarbonate Cover, Semi Flush (STI-1200)	103.44		20.58
28 31 23 00-1346	EA	Pull Station Polycarbonate Cover With Spacer (STI-1230)	121.96		20.58
28 31 23 00-1347	EA	Horn Strobe Polycarbonate Cover With Spacer (STI-1210D)	95.86		20.58
28 31 23 00-1348	EA	Horn Strobe Polycarbonate Cover, Semi Flush (STI-1210E)	86.60		20.58
28 31 23 00-1349	EA	Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D)	95.86		20.58
28 31 23 00-1350	EA	Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E)	86.60		20.58
28 31 23 00-1351		SpectrAlert Advance Horns (28 31 23 00-1116)			
28 31 23 00-1352	EA	Interior Wall Mounted Horn (Notifier HR)	96.24		30.86
28 31 23 00-1353	EA	Outdoor Wall Mounted Horn (Notifier HRK)	112.23		30.86
28 31 23 00-1354		SpectrAlert Advance Four Wire Wall Mounted Horn/Strobes (28 31 23 00-1116)			
28 31 23 00-1355	EA	Interior Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4R)	134.96		30.86
28 31 23 00-1356	EA	Outdoor Four Wire Wall Mounted Multi-Candela Horn/Strobe (Notifier P4RK)	149.28		30.86
28 31 23 00-1357	EA	Interior Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RH)	139.17		30.86
28 31 23 00-1358	EA	Outdoor Four Wire Wall Mounted High-Candela Horn/Strobe (Notifier P4RHK)	156.01		30.86
28 31 23 00-1359		SpectrAlert Advance Four Wire Ceiling Mounted Horn/Strobes (28 31 23 00-1116)			
28 31 23 00-1360	EA	Interior Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4R)	134.96		30.86
28 31 23 00-1361	EA	Outdoor Multi-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RK)	149.28		30.86
28 31 23 00-1362	EA	Interior High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RH)	139.17		30.86
28 31 23 00-1363	EA	Outdoor High-Candela Four Wire Ceiling Mounted Horn/Strobe (Notifier PC4RHK)	153.49		30.86
28 31 23 00-1364		SpectrAlert Advance Wall Mounted Strobes (28 31 23 00-1116)			
28 31 23 00-1365	EA	Interior Multi-Candela Wall Mounted Strobe (Notifier SR)	112.23		30.86
28 31 23 00-1366	EA	Outdoor Multi-Candela Wall Mounted Strobe (Notifier SRK)	135.81		30.86
28 31 23 00-1367	EA	Interior High-Candela Wall Mounted Strobe (Notifier SRH)	124.02		30.86
28 31 23 00-1368	EA	Outdoor High-Candela Wall Mounted Strobe (Notifier SRHK)	137.49		30.86
28 31 23 00-1369		SpectrAlert Advance Ceiling Mounted Strobes (28 31 23 00-1116)			
28 31 23 00-1370	EA	Interior Multi-Candela Ceiling Mounted Strobe (Notifier SCR)	112.23		30.86
28 31 23 00-1371	EA	Outdoor Multi-Candela Ceiling Mounted Strobe (Notifier SCRK)	135.81		30.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 31 23 00-1372 EA Interior High-Candela Ceiling Mounted Strobe (Notifier SCRH).....	124.02	30.86
28 31 23 00-1373 EA Outdoor High-Candela Ceiling Mounted Strobe (Notifier SCRHK)	137.49	30.86
28 31 23 00-1374 System Sensor SpectrAlert Advance Wall Mounted Speakers (28 31 23 00-1116)		
28 31 23 00-1375 EA Wall Mounted Speaker (Notifier SPR)	92.87	30.86
28 31 23 00-1376 EA High dB Wall Mounted Speaker (Notifier SPRV)	92.87	30.86
28 31 23 00-1377 EA Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSR).....	144.23	30.86
28 31 23 00-1378 EA High-Candela Wall Mounted Speaker/Strobe (Notifier SPSRH)	152.64	30.86
28 31 23 00-1379 EA High dB Wall Mounted Speaker/Strobe (Notifier SPSRV)	144.23	30.86
28 31 23 00-1380 EA Outdoor Selectable Candela Wall Mounted Speaker/Strobe (Notifier SPSRK)	179.59	30.86
28 31 23 00-1381 System Sensor SpectrAlert Advance Ceiling Mounted Speakers (28 31 23 00-1116)		
28 31 23 00-1382 EA Ceiling Mounted Speaker (Notifier SPCR).....	92.87	30.86
28 31 23 00-1383 EA High dB Ceiling Mounted Speaker (Notifier SPCRV).....	92.87	30.86
28 31 23 00-1384 EA Outdoor Ceiling Mounted Speaker (Notifier SPCRK).....	128.23	30.86
28 31 23 00-1385 EA Selectable Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCR)	144.23	30.86
28 31 23 00-1386 EA High-Candela Ceiling Mounted Speaker/Strobe (Notifier SPSCRH).....	152.64	30.86
28 31 23 00-1387 EA High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRV)	144.23	30.86
28 31 23 00-1388 EA High-Candela/High dB Ceiling Mounted Speaker/Strobe (Notifier SPSCRVH).....	152.64	30.86
28 31 23 00-1389 SpectrAlert Advance Accessories (28 31 23 00-1116)		
28 31 23 00-1390 EA Wall Mounted Backbox Skirt (Notifier BBS-2)	21.19	6.17
28 31 23 00-1391 EA Ceiling Mounted Backbox Skirt (Notifier BBSC-2)	24.98	6.17
28 31 23 00-1392 System Sensor Electric Alarm Bell (28 31 23 00-1116)		
28 31 23 00-1393 EA 10" Alarm Bell (Notifier SSM24-10)	117.29	30.86
28 31 23 00-1394 FM Series Door Releases (28 31 23 00-1116)		
28 31 23 00-1395 EA 1/2" Door Holder Spacer (Notifier FM900-50)	21.61	6.17
28 31 23 00-1396 EA 3/4" Door Holder Spacer (Notifier FM900-75)	21.61	6.17
28 31 23 00-1397 EA 1" Door Holder Spacer (Notifier FM900-100).....	21.61	6.17
28 31 23 00-1398 EA Door Holder Extension Kit (Notifier FM900).....	23.29	6.17
28 31 23 00-1399 EA 90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	23.29	6.17
28 31 23 00-1400 EA Floor Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM980).....	158.54	30.86
28 31 23 00-1401 EA Surface Mount Door Holder, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM996).....	138.33	30.86
28 31 23 00-1402 EA Recessed Mount Door Holder With Concealed Wiring, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC (Notifier FM998)	138.33	30.86
28 31 23 00-1403 Honeywell Fire Alarm (28 31 23)		
28 31 23 00-1404 Fire-Lite System (28 31 23 00-1403)		
28 31 23 00-1405 Addressable Control Panels (28 31 23 00-1404)		
28 31 23 00-1406 EA 25 Point Intelligent Control (Fire Lite MS-25).....	1,294.08	411.46
28 31 23 00-1407 EA 50 Point Intelligent Control (Fire Lite MS-9050UD).....	1,408.72	411.46
28 31 23 00-1408 EA 198-Point Intelligent Control (Fire Lite MS-9200UDLS)	1,996.86	411.46
28 31 23 00-1409 EA 636-Point Intelligent Control (Fire Lite MS-9600LS)	2,911.04	411.46
28 31 23 00-1410 EA 636-Point Intelligent Control (Fire Lite MS-9600UDLS)	2,801.66	411.46
28 31 23 00-1411 Silent Knight System (28 31 23 00-1403)		
28 31 23 00-1412 EA Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	2,976.15	205.73
28 31 23 00-1413 EA Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,244.52	123.44
28 31 23 00-1414 EA 50 Watt Amplifier (Silent Knight EVS-50W)	871.63	82.30
28 31 23 00-1415 EA 125 Watt Amplifier (Silent Knight EVS-125W)	1,536.33	82.30
28 31 23 00-1416 EA Voice Evacuation System (Silent Knight SKE-450)	1,470.45	82.30
28 31 23 00-1417 EA Fire Fighters Telephone (Silent Knight SK-FFT).....	1,223.39	82.30
28 31 23 00-1418 EA Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	1,262.16	123.44
28 31 23 00-1419 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	936.33	82.30
28 31 23 00-1420 EA Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	720.52	82.30
28 31 23 00-1421 EA Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	624.09	82.30
28 31 23 00-1422 EA Combination Fire And CO Detector (Silent Knight SK-FIRE-CO)	200.26	30.86
28 31 23 00-1423 EA Photoelectric Detector (Silent Knight SK-PHOTO)	117.49	30.86
28 31 23 00-1424 EA Photoelectric Thermal Detector (Silent Knight SK-PHOTO-T).....	123.25	30.86
28 31 23 00-1425 EA Ionization Smoke Detector (Silent Knight SK-ION).....	123.90	30.86
28 31 23 00-1426 EA 135 Degree Fixed Temperature Detector (Silent Knight SK-HEAT)	109.01	30.86
28 31 23 00-1427 EA 190 Degree Fixed Temperature Detector (Silent Knight SK-HEAT-HT)	114.27	30.86
28 31 23 00-1428 EA 135 Degree Fixed Temperature Rate-of-Rise Detector (Silent Knight SK-HEAT-ROR)	116.21	30.86
28 31 23 00-1429 EA Sounder Base (Silent Knight B200SR)	68.00	10.28
28 31 23 00-1430 EA Intelligent Sounder Base (Silent Knight B200S).....	71.85	10.28
28 31 23 00-1431 EA Isolator Base (Silent Knight B224BI).....	57.12	10.28
28 31 23 00-1432 EA Relay Base (Silent Knight B224RB).....	57.75	10.28
28 31 23 00-1433 EA Multi-Criteria Photoelectric Detector With Thermal Sensing (Silent Knight SK-ACCLIMATE)	125.91	30.86

28 Electronic Safety And Security**28 30 Electronic Detection And Alarm****28 31 Fire Detection And Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 31 23 00-1434	EA		Photoelectric Duct Detector (Silent Knight SK-DUCT).....	197.85	30.86
28 31 23 00-1435	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM).....	678.18	30.86
28 31 23 00-1436	EA		Single-Ended Reflected Beam Smoke Detector (Silent Knight SK-BEAM-T).....	773.47	30.86
28 31 23 00-1437	EA		Dual Monitor Module (Silent Knight SK-MONITOR-2).....	148.13	30.86
28 31 23 00-1438	EA		Supervised Control Module (Silent Knight SK-CONTROL).....	124.67	30.86
28 31 23 00-1439	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	403.72	41.14
28 31 23 00-1440	EA		Relay Control Module (Silent Knight SK-RELAY).....	105.33	20.58
28 31 23 00-1441	EA		Six Relay Control Module (Silent Knight SK-RELAY-6).....	390.62	41.14
28 31 23 00-1442	EA		Zone Interface Module (Silent Knight SK-ZONE).....	127.14	30.86
28 31 23 00-1443	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6).....	465.62	41.14
28 31 23 00-1444	EA		Monitor Module (Silent Knight SK-MONITOR).....	110.43	30.86
28 31 23 00-1445	EA		10 Input Monitor Module (Silent Knight SK-MON-10).....	451.34	41.14
28 31 23 00-1446	EA		Monitor Module (Silent Knight SK-MINIMON).....	103.39	30.86
28 31 23 00-1447	EA		Fault Isolator Module (Silent Knight SK-ISO).....	114.27	30.86
28 31 23 00-1448	EA		Addressable Heat Sensor (Silent Knight SD505-AHS).....	112.36	30.86
28 31 23 00-1449	EA		Analog Ionization Smoke Detector (Silent Knight SD505-AIS).....	121.44	30.86
28 31 23 00-1450	EA		Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	114.27	30.86
28 31 23 00-1451	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB).....	82.76	10.28
28 31 23 00-1452	EA		6" Addressable Relay Base (Silent Knight SD505-6RB).....	78.26	10.28
28 31 23 00-1453	EA		6" Isolator Base (Silent Knight SD505-6IB).....	71.22	10.28
28 31 23 00-1454	EA		Addressable Input Module (Silent Knight SD500-AIM).....	113.64	30.86
28 31 23 00-1455	EA		Addressable Notification Module (Silent Knight SD500-ANM).....	138.25	30.86
28 31 23 00-1456	EA		Addressable Relay Module (Silent Knight SD500-ARM).....	124.67	30.86
28 31 23 00-1457	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED).....	469.86	61.72
28 31 23 00-1458	EA		Loop Isolation Module (Silent Knight SD500-LIM).....	118.12	30.86
28 31 23 00-1459	EA		Addressable Mini Input Module (Silent Knight SD500-MIM).....	91.78	20.58
28 31 23 00-1460	EA		Single Action Addressable Pull Station (Silent Knight SD500-PS).....	116.44	20.58
28 31 23 00-1461	EA		Dual Action Addressable Pull Station (Silent Knight SD500-PSDA).....	111.50	20.58
28 31 23 00-1462	EA		Back Box (Silent Knight SK-PSSMBB).....	53.58	16.46
28 31 23 00-1463	EA		Smoke Detector Module (Silent Knight SD500-SDM).....	130.84	30.86
28 31 23 00-1464	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	32.30	10.28
28 31 23 00-1465	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	32.30	10.28
28 31 23 00-1466	EA		Addressable Duct Housing (Silent Knight SD505-DUCT).....	206.29	30.86
28 31 23 00-1467	EA		Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR).....	265.32	30.86
28 31 23 00-1468	EA		Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	116.84	30.86
28 31 23 00-1469	EA		Intelligent Power Module (Silent Knight 5895XL).....	675.28	82.30
28 31 23 00-1470	EA		Addressable Power Supply (Silent Knight 5496).....	472.24	61.72
28 31 23 00-1471	EA		Relay Interface Board (Silent Knight 5883).....	179.68	20.58
28 31 23 00-1472	EA		Remote LED Annunciator (Silent Knight 5865-3).....	369.19	41.14
28 31 23 00-1473	EA		Remote LED Annunciator (Silent Knight 5865-4).....	416.58	41.14
28 31 23 00-1474	EA		Remote LCD Annunciator (Silent Knight SK-5860).....	402.00	61.72
28 31 23 00-1475	EA		Serial/Parallel Printer Interface (Silent Knight 5824).....	254.38	20.58
28 31 23 00-1476	EA		LED Input/Output Module (Silent Knight / IntelliKnight 5880).....	300.99	30.86
28 31 23 00-1477	EA		Addressable Pull Station (Silent Knight SK-Pull-DA/SA).....	111.50	20.58
28 31 23 00-1478	EA		Digital Fire Communicator with Cabinet (Silent Knight SK-5104).....	385.33	61.72
28 31 23 00-1479	EA		Communicator (Silent Knight IPGSM-4G).....	553.80	41.14
28 31 23 00-1480	EA		Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208).....	881.04	82.30
28 31 23 00-1481	EA		10 Zone Expander (Silent Knight SK-5217).....	245.95	20.58
28 31 23 00-1482	EA		Remote Annunciator (Silent Knight SK-5235).....	253.37	41.14
28 31 23 00-1483	EA		Status Display Module (Silent Knight 5280).....	76.40	20.58
28 31 23 00-1484	EA		Serial/Parallel Module (Silent Knight 5824).....	295.54	41.14
28 31 23 00-1485	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	513.38	82.30
28 31 23 00-1486	EA		Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E).....	522.90	82.30
28 31 23 00-1487	EA		Dress Panel (Silent Knight SK-DP2/4).....	98.82	20.58
28 31 23 00-1488	EA		Class A Converter (Silent Knight SK-CAC4).....	249.66	30.86
28 31 23 00-1489	EA		Transmitter Module (Silent Knight SK-4XTM).....	137.02	30.86
28 31 23 00-1490	EA		LED Interface Module (Silent Knight SK-4XLM).....	127.14	30.86
28 31 23 00-1491	EA		110 Volt Transformer, 3-6A (Silent Knight SK-XRM24).....	126.31	20.58
28 31 23 00-1492	EA		Remote Annunciator (Silent Knight SK-RZA4).....	127.14	30.86
28 31 23 00-1493	EA		Zone Relay Module (Silent Knight SK-4XZM).....	135.78	30.86
28 31 23 00-1494	EA		Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	447.90	82.30
28 31 23 00-1495	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	111.50	20.58
28 31 23 00-1496	EA		Manual Pull Station (single action) (Silent Knight PS-SATK).....	65.04	20.58
28 31 23 00-1497	EA		Manual Pull Station (dual action) (Silent Knight PS-DATK).....	69.81	20.58
28 31 23 00-1498	EA		Manual Pull Station (dual action) (Silent Knight PS-DA).....	68.47	20.58
28 31 23 00-1499	EA		Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	61.93	20.58
28 31 23 00-1500	EA		Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	143.19	30.86
28 31 23 00-1501	EA		6 Amp/24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	444.86	61.72
28 31 23 00-1502	EA		9 Amp/24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	497.24	61.72

28 31 23 00-1503 Fire Alarm Terminal Cabinets (28 31 23)

28 31 23 00-1504	EA		18 Point Lockable Fire Alarm Terminal Cabinet.....	147.76	41.21
28 31 23 00-1505	EA		32 Point Lockable Fire Alarm Terminal Cabinet.....	186.97	41.21
28 31 23 00-1506	EA		64 Point Lockable Fire Alarm Terminal Cabinet.....	265.38	41.21
28 31 23 00-1507	EA		128 Point Lockable Fire Alarm Terminal Cabinet.....	343.77	41.21

28 33 Gas Detection and Alarm (28 33)**28 33 00 00-0001 Hydrogen Gas Detection (28 33)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 33 00 00-0002 EA Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	1,019.74	30.91
28 33 00 00-0003 EA Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	58.07	10.30
28 33 00 00-0004 EA Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	270.53	30.91
28 33 00 00-0005 Monitoring System For Underground Tanks <small>(28 33)</small>		
28 33 00 00-0006 Continuous Leak Detection System <small>(28 33 00 00-0005)</small>		
<small>Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.</small>		
28 33 00 00-0007 EA Single Channel Underground Tank Monitoring System	2,800.24	337.40
28 33 00 00-0008 EA 2 Channel Underground Tank Monitoring System	3,771.79	450.13
28 33 00 00-0009 EA 3 Channel Underground Tank Monitoring System	5,152.95	482.24
28 33 00 00-0010 EA 4 Channel Underground Tank Monitoring System	5,714.91	674.80
28 33 00 00-0011 EA Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	3,520.34	57.60
28 33 00 00-0012 EA Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	3,174.01	51.44
28 33 00 00-0013 EA Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	4,161.81	57.60
28 33 00 00-0014 EA Tank Leak Detection Probe	1,281.76	12.35
28 33 00 00-0015 EA Secondary Containment Collar Probe	160.55	4.94
28 33 00 00-0016 EA Interstitial Leak Detection Probe	295.74	10.28
28 33 00 00-0017 EA Liquid Phase Detection	972.31	30.86
28 33 00 00-0018 EA Hydrocarbon Vapor, Fixed	900.31	30.86
28 33 00 00-0019 EA Hydrocarbon Vapor, Float Mounted	1,048.20	34.98
28 33 00 00-0020 EA Liquid And Vapor Hydrocarbon	1,192.21	34.98
28 34 Fuel-Oil Detection and Alarm <small>(28 30)</small>		
<small>See CSI section 28 33 00 00-0000 for detection and alarms.</small>		

END OF SECTION 28

28 Electronic Safety And Security

28 30 Electronic Detection And Alarm

28 34 Fuel-Oil Detection and Alarm



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

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Earthwork	31	13
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 Earthwork

31 01 Maintenance of Earthwork ⁽³¹⁾

31 01 20 Maintenance of Earth Moving ^(31 01)

31 01 20 00-0001 Rip Settling Basins ^(31 01 20)

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer	464.51
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper	750.59
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader	636.55

31 05 Common Work Results For Earthwork ⁽³¹⁾

31 05 13 Soils For Earthwork ^(31 05)

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) ^(31 05 13)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 13 00-0002	CY Sand, Bank Run.....	30.61
	For Up To 10, Add	8.58
	For >10 To 25, Add	3.06
31 05 13 00-0003	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand.....	31.71
	For Up To 10, Add	8.91
	For >10 To 25, Add	3.17
31 05 13 00-0004	CY Native Clean Fill Soil/Dirt - Common	19.09
	For Up To 10, Add	5.12
	For >10 To 25, Add	1.91
31 05 13 00-0005	CY Lime Rock Screening.....	23.27
	For Up To 10, Add	6.38
	For >10 To 25, Add	2.33
31 05 13 00-0006	CY Crushed Lime Rock Maximum 3-1/2"	21.90
	For Up To 10, Add	5.97
	For >10 To 25, Add	2.19
31 05 13 00-0007	CY Asphalt Sand	28.91
	For Up To 10, Add	8.07
	For >10 To 25, Add	2.89
31 05 13 00-0008	CY Lawn Sand.....	24.09
	For Up To 10, Add	6.62
	For >10 To 25, Add	2.41
31 05 13 00-0009	CY Sand/Clay	30.07
	For Up To 10, Add	8.42
	For >10 To 25, Add	3.01
31 05 13 00-0010	CY Recycled Concrete Aggregate.....	38.95
	For Up To 10, Add	11.08
	For >10 To 25, Add	3.90
31 05 13 00-0011	CY Sand Fill, Washed Aggregate	39.65
	For Up To 10, Add	11.29
	For >10 To 25, Add	3.97
31 05 13 00-0012	CY Pond Sand.....	19.93
	For Up To 10, Add	5.37
	For >10 To 25, Add	1.99
31 05 13 00-0013	CY Pitrun Clay.....	25.12
	For Up To 10, Add	6.93
	For >10 To 25, Add	2.51
31 05 13 00-0014	CY Light Clay / Loam.....	34.37
	For Up To 10, Add	9.71
	For >10 To 25, Add	3.44
31 05 13 00-0015	CY Heavy Clay	29.78
	For Up To 10, Add	8.33
	For >10 To 25, Add	2.98
31 05 13 00-0016	CY SDG&E Sand.....	30.18
31 05 13 00-0017	TON SDG&E B20 Sand	31.92

31 05 16 Aggregates For Earthwork ^(31 05)

See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) ^(31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles, 01 74 19 00-0052 for hauling greater than 15 miles.

31 05 16 00-0002	CY #2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean).....	32.34
	For Up To 10, Add	9.10
	For >10 To 25, Add	3.23
31 05 16 00-0003	CY #3 Stone Aggregate Fill (1" To 2" Clean).....	28.75
	For Up To 10, Add	8.02
	For >10 To 25, Add	2.88

31 Earthwork**31 05 Common Work Results For Earthwork****31 05 16 Aggregates For Earthwork**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0004 CY #4 Stone Aggregate Fill (3/4" To 1-1/2" Clean).....	29.20	
For Up To 10, Add	8.16	
For >10 To 25, Add	2.92	
31 05 16 00-0005 CY #5 Stone Aggregate Fill (1/2" To 1" Clean).....	31.37	
For Up To 10, Add	8.81	
For >10 To 25, Add	3.14	
31 05 16 00-0006 CY #6 Stone Aggregate Fill (3/8" To 3/4" Clean).....	31.80	
For Up To 10, Add	8.94	
For >10 To 25, Add	3.18	
31 05 16 00-0007 CY #56 Stone Aggregate Fill (3/8" To 1").....	32.69	
For Up To 10, Add	9.20	
For >10 To 25, Add	3.27	
31 05 16 00-0008 CY #57 Stone Aggregate Fill (#4 To 1").....	33.22	
For Up To 10, Add	9.36	
For >10 To 25, Add	3.32	
31 05 16 00-0009 CY #67 Or #68 Stone Aggregate Fill (#4 To 3/4").....	33.71	
For Up To 10, Add	9.51	
For >10 To 25, Add	3.37	
31 05 16 00-0010 CY #7 Stone Aggregate Fill (1/2" To #4).....	33.80	
For Up To 10, Add	9.54	
For >10 To 25, Add	3.38	
31 05 16 00-0011 CY #78 Stone Aggregate Fill (#8 To 1/2").....	34.69	
For Up To 10, Add	9.80	
For >10 To 25, Add	3.47	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/8" x 1/8").....	35.58	
For Up To 10, Add	10.07	
For >10 To 25, Add	3.56	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (#16 To 3/8").....	35.71	
For Up To 10, Add	10.11	
For >10 To 25, Add	3.57	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (1/4" Clean).....	35.86	
For Up To 10, Add	10.15	
For >10 To 25, Add	3.59	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (#8 To 3/4).....	37.21	
For Up To 10, Add	10.56	
For >10 To 25, Add	3.72	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (#16 To 3/4").....	34.50	
For Up To 10, Add	9.75	
For >10 To 25, Add	3.45	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill.....	27.94	
For Up To 10, Add	7.78	
For >10 To 25, Add	2.79	
31 05 16 00-0018 CY Stone Aggregate Fill, Random Size, Over 6" To 12".....	38.16	
For Up To 10, Add	10.84	
For >10 To 25, Add	3.82	
31 05 16 00-0019 CY Graded Stone Aggregate Fill, Over 6" To 12".....	42.09	
For Up To 10, Add	12.02	
For >10 To 25, Add	4.21	
31 05 16 00-0020 CY Surge Stone Aggregate Fill (3" To 7" Random).....	33.65	
For Up To 10, Add	9.49	
For >10 To 25, Add	3.37	
31 05 16 00-0021 CY Surge Stone Graded Aggregate Fill (3" To 7").....	38.80	
For Up To 10, Add	11.04	
For >10 To 25, Add	3.88	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus).....	32.21	
For Up To 10, Add	9.06	
For >10 To 25, Add	3.22	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus).....	31.33	
For Up To 10, Add	8.79	
For >10 To 25, Add	3.13	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus).....	28.31	
For Up To 10, Add	7.89	
For >10 To 25, Add	2.83	
31 05 16 00-0025 CY Silica Sand #20 (For Playground Use Only).....	75.92	
For Up To 10, Add	22.17	
For >10 To 25, Add	7.59	
31 05 16 00-0026 CY Graded Aggregate Base Fill (3/4" Minus) Class II Base.....	45.27	
For Up To 10, Add	12.98	
For >10 To 25, Add	4.53	

31 05 36 Equipment Delivery, Pickup, Mobilization And Demobilization ⁽³¹⁾

⁽⁰⁵⁾
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing ⁽³¹⁾**31 11 Clearing And Grubbing ^(31 10)****31 11 00 00-0001 Clear And Grub Roots And Stumps ^(31 11)**

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip6,281.49
Note: Includes grub and removal of stump



Earthwork	31	13
Site Clearing	31 10	
Clearing And Grubbing	31 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter	1,553.40	
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip	7,328.41	
Note: Includes grub and removal of stump		
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter	2,589.00	
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip	8,327.74	
Note: Includes grub and removal of stump		
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter	2,942.40	
31 11 00 00-0008 ACR Clearing By Machine - Light Brush Without Grub	240.22	
31 11 00 00-0009 ACR Clearing By Machine - Medium Brush Without Grub	491.85	
31 11 00 00-0010 ACR Clearing By Machine - Heavy Brush Without Grub	698.43	
31 11 00 00-0011 ACR Chipping - Light Brush	1,954.59	
31 11 00 00-0012 ACR Chipping - Medium Brush	2,513.17	
31 11 00 00-0013 ACR Chipping - Heavy Brush	3,518.76	
31 11 00 00-0014 Loading Of Cleared And Grubbed Material <small>(31 11)</small>		
See CSI section 01 74 19 00-0050 for hauling.		
31 11 00 00-0015 CY Machine Loading Of Cleared And Grubbed Material	8.24	
31 11 00 00-0016 CY Chute Loading Of Cleared And Grubbed Material	9.89	
31 11 00 00-0017 CY Hand Loading Of Cleared And Grubbed Material	31.05	
31 11 00 00-0018 CY Wheel And Ramp Loading Of Cleared And Grubbed Material	24.39	
31 13 Selective Tree And Shrub Removal And Trimming <small>(31 10)</small>		
31 13 13 Selective Tree And Shrub Removal <small>(31 13)</small>		
31 13 13 00-0001 Individual Tree Removal <small>(31 13 13)</small>		
Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.		
31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal	458.03	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal	687.04	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal	916.05	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal	1,374.08	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal	1,832.10	
Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0007 Stump Removal <small>(31 13 13)</small>		
Note: Measured by diameter of stump.		
31 13 13 00-0008 Stump Removal By Machine <small>(31 13 13 00-0007)</small>		
31 13 13 00-0009 EA Up To 6" Diameter Stump Removal	77.67	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010 EA >6" To 12" Diameter Stump Removal	148.86	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011 EA >12" To 24" Diameter Stump Removal	194.18	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012 EA >24" To 36" Diameter Stump Removal	291.27	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >36" To 48" Diameter Stump Removal	343.07	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 Stump Removal By Hand <small>(31 13 13 00-0007)</small>		
31 13 13 00-0015 EA Up To 6" Diameter Stump Removal By Hand	489.60	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >6" To 12" Diameter Stump Removal By Hand	612.00	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >12" To 24" Diameter Stump Removal By Hand	897.60	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >24" To 36" Diameter Stump Removal By Hand	1,224.00	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >36" To 48" Diameter Stump Removal By Hand	1,632.00	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0020 Stump Grinding <small>(31 13 13)</small>		
Note: Measured by diameter of stump.		
31 13 13 00-0021 Stump Grinding, 18" Deep Below Surface Of Soil <small>(31 13 13 00-0020)</small>		
Note: Level soil to match existing surface area.		
31 13 13 00-0022 EA Stump Grinding Up To 6" Tree	90.55	
		18.11
<i>For 24" Depth, Add</i>		

31 Earthwork**31 10 Site Clearing****31 13 Selective Tree And Shrub Removal And Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0023 EA Stump Grinding >6" To 12" Tree.....	120.74	
For 24" Depth, Add	24.15	
31 13 13 00-0024 EA Stump Grinding >12" To 15" Tree.....	135.84	
For 24" Depth, Add	27.17	
31 13 13 00-0025 EA Stump Grinding >15" To 18" Tree.....	150.93	
For 24" Depth, Add	30.19	
31 13 13 00-0026 EA Stump Grinding >18" To 21" Tree.....	162.25	
For 24" Depth, Add	32.45	
31 13 13 00-0027 EA Stump Grinding >21" To 24" Tree.....	173.57	
For 24" Depth, Add	34.71	
31 13 13 00-0028 EA Stump Grinding >24" To 27" Tree.....	188.67	
For 24" Depth, Add	37.73	
31 13 13 00-0029 EA Stump Grinding >27" To 30" Tree.....	204.76	
For 24" Depth, Add	40.95	
31 13 13 00-0030 EA Stump Grinding >30" To 33" Tree.....	227.51	
For 24" Depth, Add	45.50	
31 13 13 00-0031 EA Stump Grinding >33" To 36" Tree.....	242.68	
For 24" Depth, Add	48.54	
31 13 13 00-0032 EA Stump Grinding >36" To 42" Tree.....	273.00	
For 24" Depth, Add	54.60	
31 13 13 00-0033 EA Stump Grinding >42" To 48" Tree.....	303.34	
For 24" Depth, Add	60.67	

31 13 16 Selective Tree And Shrub Trimming (31 13)**31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance (31 13 16)**

Note: Area to be vertical cleared (to include overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	1.54
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	2.31
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	2.72

31 20 Earth Moving (31)

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 23 Excavation And Fill (31 20)**31 23 16 Excavation (31 23)****31 23 16 13 Trenching (31 23 16)**

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine (31 23 16 13)

Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002 CY 12" Wide or Less, Excavation for Trenching by Machine in Soil	8.00
For Excavation In Light Material (Class A), Deduct	-1.00
For Excavation In Heavy/Wet Material (Class C), Add	3.20
For Up To 20, Add	6.40
For >20 To 50, Add	4.00
For >50 To 250, Add	2.00
For >500 To 1,000, Deduct	-1.20
For >1,000, Deduct	-2.40
31 23 16 13-0003 CY Over 12" Wide, Excavation for Trenching by Machine in Soil	5.20
For Excavation In Light Material (Class A), Deduct	-0.65
For Excavation In Heavy/Wet Material (Class C), Add	2.08
For Up To 20, Add	4.16
For >20 To 50, Add	2.60
For >50 To 250, Add	1.30
For >500 To 1,000, Deduct	-0.78
For >1,000, Deduct	-1.56
31 23 16 13-0004 CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock	13.25
For Up To 20, Add	10.60
For >20 To 50, Add	6.63
For >50 To 250, Add	3.31
For >500 To 1,000, Deduct	-1.99
For >1,000, Deduct	-3.98



Earthwork	31	15
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0005 CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	9.24 7.39 4.62 2.31 -1.39 -2.77	
31 23 16 13-0006 Excavation For Trenching By Hand (31 23 16 13)		
31 23 16 13-0007 CY Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	102.46	
31 23 16 13-0008 CY Excavation For Trenching By Hand In Loose Rock Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	175.76	
31 23 16 13-0009 Backfilling Or Placing Subbase For Trenches (31 23 16 13)		
Note: With imported or stockpiled materials.		
31 23 16 13-0010 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	2.81 2.25 1.41 0.70 -0.42 -0.84	
31 23 16 13-0011 CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	28.46	
31 23 16 13-0012 Compaction Of Fill Or Subbase For Trenches (31 23 16 13)		
Note: Includes restoration of final grade.		
31 23 16 13-0013 CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera..... <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	5.94 4.75 2.97 1.49 -0.89 -1.78	
31 23 16 13-0014 CY Compaction of Fill or Subbase for Trenches by Hand	32.10	
31 23 16 13-0015 Loading Excess Material For Removal From Excavation For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 13-0016 CY Load Excess Material by Machine for Removal from Excavation for Trenching <i>For Up To 20, Add</i> <i>For >20 To 50, Add</i> <i>For >50 To 250, Add</i> <i>For >500 To 1,000, Deduct</i> <i>For >1,000, Deduct</i>	4.89 3.91 2.45 1.22 -0.73 -1.47	
31 23 16 13-0017 CY Load Excess Material by Hand for Removal from Excavation for Trenching	75.13	
31 23 16 13-0018 Spread Excess Or Imported Material For Trenches (31 23 16 13)		
Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine	2.25	
31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine (31 23 16 13)		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep	1.72	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep.....	1.89	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep.....	2.70	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep.....	3.05	
31 23 16 13-0025 Utility Chain Trencher (31 23 16 13)		
31 23 16 13-0026 Utility Trench, Chain Trencher (31 23 16 13-0025)		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	0.94	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.03	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.07	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.12	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.23	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	1.40	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	1.69	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher.....	1.59	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher.....	1.87	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher.....	2.13	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher.....	2.53	
31 23 16 13-0038 Backfill Trenches With Compaction (31 23 16 13-0025)		
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction.....	0.14	
31 23 16 13-0040 LF Backfill 4" Wide, 18" Deep Trench, With Compaction.....	0.23	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0041 LF Backfill 4" Wide, 24" Deep Trench, With Compaction	0.30	
31 23 16 13-0042 LF Backfill 6" Wide, 12" Deep Trench, With Compaction	0.23	
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction	0.30	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction	0.46	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction	0.66	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction	0.30	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction	0.46	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction	0.61	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction	0.91	
31 23 16 26 Rock Removal <small>(31 23 16)</small>		
31 23 16 26-0001 Rock Breaking By Machine <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone)	19.91	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate)	21.23	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt)	25.21	
31 23 16 33 Bulk Excavation <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material.		
31 23 16 33-0001 Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil	7.02	
For Excavation In Light Material (Class A), Deduct	-0.88	
For Excavation In Heavy/Wet Material (Class C), Add	2.81	
For >1,000, Deduct	-1.05	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	4.20	
For Excavation In Light Material (Class A), Deduct	-0.53	
For Excavation In Heavy/Wet Material (Class C), Add	1.68	
For >1,000, Deduct	-0.63	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock	8.63	
For >1,000, Deduct	-1.29	
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock	5.17	
For >1,000, Deduct	-0.78	
31 23 16 33-0006 Spreading, Shaping And Rough Grading <small>(31 23 16 33)</small>		
Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	4.33	
For >1,000, Deduct	-0.65	
31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	4.81	
For >1,000, Deduct	-0.72	
31 23 16 33-0010 Relocating On Site Excavated Material From Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	3.84	
For >1,000, Deduct	-0.58	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	5.78	
For >1,000, Deduct	-0.87	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	8.66	
For >1,000, Deduct	-1.30	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000'	11.54	
For >1,000, Deduct	-1.73	
31 23 16 33-0015 Finish Grading <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine	0.48	
31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift <small>(31 23 16 33)</small>		
Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine	0.49	
Note: Per Lift		
31 23 16 33-0019 Loading Excess Material For Removal From Excavation <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation	4.15	
For >1,000, Deduct	-0.62	



Earthwork	31	13
Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36 Excavation For Building Foundations And Other Structures <small>(31 23 16)</small>		
Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001 Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures by machine. Includes stockpiling excess materials within 100' of point of excavation, shaping, trimming and rough grading excavation.		
31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Bobcat <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Bobcat In Soil.....	6.60	
For Excavation In Light Material (Class A), Deduct	-0.83	
For Excavation In Heavy/Wet Material (Class C), Add	2.64	
For Up To 20, Add	6.60	
For >20 To 50, Add	4.95	
For >50 To 250, Add	2.64	
For >250 To 500, Add	0.99	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Bobcat In Loose Rock.....	8.11	
For Up To 20, Add	8.11	
For >20 To 50, Add	6.08	
For >50 To 250, Add	3.24	
For >250 To 500, Add	1.22	
31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	5.04	
For Excavation In Light Material (Class A), Deduct	-0.63	
For Excavation In Heavy/Wet Material (Class C), Add	2.02	
For Up To 20, Add	5.04	
For >20 To 50, Add	3.78	
For >50 To 250, Add	2.02	
For >250 To 500, Add	0.76	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock.....	6.00	
For Up To 20, Add	6.00	
For >20 To 50, Add	4.50	
For >50 To 250, Add	2.40	
For >250 To 500, Add	0.90	
31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand <small>(31 23 16 36-0001)</small>		
Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil	102.46	
For Excavation In Light Material (Class A), Deduct	-12.81	
For Excavation In Heavy/Wet Material (Class C), Add	40.98	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock.....	175.76	
31 23 16 36-0011 Relocating On Site Excavated Material From Excavation <small>(31 23 16 36)</small>		
Note: For building foundations and other structures over 100'.		
31 23 16 36-0012 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >100' to 300'.....	3.84	
For Up To 20, Add	3.84	
For >20 To 50, Add	2.88	
For >50 To 250, Add	1.54	
For >250 To 500, Add	0.58	
31 23 16 36-0013 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >300' to 500'.....	5.78	
For Up To 20, Add	5.78	
For >20 To 50, Add	4.34	
For >50 To 250, Add	2.31	
For >250 To 500, Add	0.87	
31 23 16 36-0014 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >500' to 1,000'.....	8.66	
For Up To 20, Add	8.66	
For >20 To 50, Add	6.50	
For >50 To 250, Add	3.46	
For >250 To 500, Add	1.30	
31 23 16 36-0015 CY Relocating On Site Excavated Material From Excavation For Building Foundations and Other Structures >1,000'.....	11.54	
For Up To 20, Add	11.54	
For >20 To 50, Add	8.66	
For >50 To 250, Add	4.62	
For >250 To 500, Add	1.73	
31 23 16 36-0016 Backfilling <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Bobcat.....	3.22	
For Up To 20, Add	3.22	
For >20 To 50, Add	2.42	
For >50 To 250, Add	1.29	
For >250 To 500, Add	0.48	

31 Earthwork**31 20 Earth Moving****31 23 Excavation And Fill**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	3.91	
For Up To 20, Add	3.91	
For >20 To 50, Add	2.93	
For >50 To 250, Add	1.56	
For >250 To 500, Add	0.59	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand.....	48.79	
31 23 16 36-0020 Compaction Of Fill Or Subbase (31 23 16 36)		
Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations And Other Structures by Vibratory Plate, Air Tamper, Etcetera	9.39	
For Up To 20, Add	9.39	
For >20 To 50, Add	7.04	
For >50 To 250, Add	3.76	
For >250 To 500, Add	1.41	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	32.10	
31 23 16 36-0023 Grading (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine	0.83	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine	1.33	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand.....	9.49	
31 23 16 36-0027 Loading Excess Material For Removal From Excavation (31 23 16 36)		
Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	4.32	
For Up To 20, Add	4.32	
For >20 To 50, Add	3.24	
For >50 To 250, Add	1.73	
For >250 To 500, Add	0.65	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	75.13	
31 23 16 36-0030 Spread Material (31 23 16 36)		
Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine	2.25	
For Up To 20, Add	2.25	
For >20 To 50, Add	1.69	
For >50 To 250, Add	0.90	
For >250 To 500, Add	0.34	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand	41.46	
31 23 16 43 Mass Excavation (31 23 16)		
31 23 16 43-0001 Mass Excavation By Dozer (31 23 16 43)		
Note: In CY/Hour and using 50 Min/Hour, +5% grade, average operator and material conversion factors. Pushed to stockpile area.		
31 23 16 43-0002 Dozing Distance Averages 150 Feet Push (31 23 16 43-0001)		
31 23 16 43-0003 Dozer With Blade, 65 HP, (D-3B) (31 23 16 43-0002)		
31 23 16 43-0004 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 150' Push, 30 CY/Hour	5.26	
31 23 16 43-0005 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 150' Push, 25 CY/Hour	6.30	
31 23 16 43-0006 BCY Mass Excavation, D-3B Dozer, Wet/Loose Rock 65 HP With Blade, 150' Push 20 CY/Hour	7.88	
31 23 16 43-0007 Dozer With Blade, 90 HP, (D-4H) (31 23 16 43-0002)		
31 23 16 43-0008 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 150' Push, 60 CY/Hour.....	2.57	
31 23 16 43-0009 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 150' Push, 45 CY/Hour	3.42	
31 23 16 43-0010 BCY Mass Excavation, D-4H Dozer, Wet/Loose Rock 90 HP With Blade, 150' Push, 35 CY/Hour	4.41	
31 23 16 43-0011 Dozer With Blade, 120 HP, (D-5H) (31 23 16 43-0002)		
31 23 16 43-0012 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 150' Push, 85 CY/Hour	1.90	
31 23 16 43-0013 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 150' Push, 70 CY/Hour	2.30	
31 23 16 43-0014 BCY Mass Excavation, D-5H Dozer, Wet/Loose Rock 120 HP With Blade, 150' Push, 50 CY/Hour	3.23	
31 23 16 43-0015 Dozer With Blade, 140 HP, (D-6D) (31 23 16 43-0002)		
31 23 16 43-0016 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 150' Push, 115 CY/Hour.....	1.66	
31 23 16 43-0017 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 150' Push, 90 CY/Hour	2.11	
31 23 16 43-0018 BCY Mass Excavation, D-6D Dozer, Wet/Loose Rock 140 HP With Blade, 150' Push, 70 CY/Hour	2.72	
31 23 16 43-0019 Dozer With U-Blade, 200 HP, (D-7G) (31 23 16 43-0002)		
31 23 16 43-0020 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 150' Push, 185 CY/Hour	1.10	
31 23 16 43-0021 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 150' Push, 150 CY/Hour	1.36	
31 23 16 43-0022 BCY Mass Excavation, D-7G Dozer, Wet/Loose Rock 200 HP With U-Blade, 150' Push, 115 CY/Hour	1.77	



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Earth Moving	31 20	
Excavation And Fill	31 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 43-0023 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 150' Push, 90 CY/Hour	2.26	
31 23 16 43-0024 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0025 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 150' Push, 290 CY/Hour	0.91	
31 23 16 43-0026 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 150' Push, 235 CY/Hour	1.12	
31 23 16 43-0027 BCY Mass Excavation, D-8L Dozer, Wet/Loose Rock 335 HP With U-Blade, 150' Push, 180 CY/Hour	1.46	
31 23 16 43-0028 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 150' Push, 145 CY/Hour	1.82	
31 23 16 43-0029 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0030 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 150' Push, 375 CY/Hour	0.68	
31 23 16 43-0031 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 150' Push, 300 CY/Hour	0.85	
31 23 16 43-0032 BCY Mass Excavation, D-9L Dozer, Wet/Loose Rock 460 HP With U-Blade, 150' Push, 230 CY/Hour	1.11	
31 23 16 43-0033 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 150' Push, 185 CY/Hour	1.38	
31 23 16 43-0034 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0002)</small>		
31 23 16 43-0035 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 150' Push, 495 CY/Hour	0.56	
31 23 16 43-0036 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150' Push, 400 CY/Hour	0.70	
31 23 16 43-0037 BCY Mass Excavation, D-10 Dozer, Wet/Loose Rock 700 HP With U-Blade, 150' Push, 305 CY/Hour	0.92	
31 23 16 43-0038 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 150' Push, 245 CY/Hour	1.14	
31 23 16 43-0039 Dozing Distance Averages 300 Feet Push <small>(31 23 16 43-0001)</small>		
31 23 16 43-0040 Dozer With Blade, 65 HP, (D-3B) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0041 BCY Mass Excavation, D-3B Dozer, Light Material 65 HP With Blade, 12.5 CY/Hour, 300' Push	12.61	
31 23 16 43-0042 BCY Mass Excavation, D-3B Dozer, Medium Material 65 HP With Blade, 10 CY/Hour, 300' Push	15.77	
31 23 16 43-0043 Dozer With Blade, 90 HP, (D-4H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0044 BCY Mass Excavation, D-4H Dozer, Light Material 90 HP With Blade, 20 CY/Hour, 300' Push	7.72	
31 23 16 43-0045 BCY Mass Excavation, D-4H Dozer, Medium Material 90 HP With Blade, 17.5 CY/Hour, 300' Push	8.82	
31 23 16 43-0046 BCY Mass Excavation, D-4H Dozer, Loose Rock 90 HP With Blade, 15 CY/Hour, 300' Push	10.28	
31 23 16 43-0047 Dozer With Blade, 120 HP, (D-5H) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0048 BCY Mass Excavation, D-5H Dozer, Light Material 120 HP With Blade, 35 CY/Hour, 300' Push	4.62	
31 23 16 43-0049 BCY Mass Excavation, D-5H Dozer, Medium Material 120 HP With Blade, 30 CY/Hour, 300' Push	5.39	
31 23 16 43-0050 BCY Mass Excavation, D-5H Dozer, Loose Rock 120 HP With Blade, 25 CY/Hour, 300' Push	6.46	
31 23 16 43-0051 Dozer With Blade, 140 HP, (D-6D) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0052 BCY Mass Excavation, D-6D Dozer, Light Material 140 HP With Blade, 55 CY/Hour, 300' Push	3.46	
31 23 16 43-0053 BCY Mass Excavation, D-6D Dozer, Medium Material 140 HP With Blade, 45 CY/Hour, 300' Push	4.23	
31 23 16 43-0054 BCY Mass Excavation, D-6D Dozer, Loose Rock 140 HP With Blade, 35 CY/Hour, 300' Push	5.44	
31 23 16 43-0055 Dozer With U-Blade, 200 HP, (D-7G) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0056 BCY Mass Excavation, D-7G Dozer, Light Material 200 HP With U-Blade, 85 CY/Hour, 300' Push	2.40	
31 23 16 43-0057 BCY Mass Excavation, D-7G Dozer, Medium Material 200 HP With U-Blade 65 CY/Hour, 300' Push	3.14	
31 23 16 43-0058 BCY Mass Excavation, D-7G Dozer, Loose Rock 200 HP With U-Blade, 50 CY/Hour, 300' Push	4.08	
31 23 16 43-0059 BCY Mass Excavation, D-7G Dozer, Blasted Rock 200 HP With U-Blade, 40 CY/Hour, 300' Push	5.09	
31 23 16 43-0060 Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0061 BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 145 CY/Hour, 300' Push	1.82	
31 23 16 43-0062 BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 115 CY/Hour, 300' Push	2.29	
31 23 16 43-0063 BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 90 CY/Hour, 300' Push	2.93	
31 23 16 43-0064 BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 70 CY/Hour, 300' Push	3.77	
31 23 16 43-0065 Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0066 BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 195 CY/Hour, 300' Push	1.31	
31 23 16 43-0067 BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 160 CY/Hour, 300' Push	1.60	
31 23 16 43-0068 BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 120 CY/Hour, 300' Push	2.13	
31 23 16 43-0069 BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 95 CY/Hour, 300' Push	2.69	
31 23 16 43-0070 Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0039)</small>		
31 23 16 43-0071 BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 275 CY/Hour, 300' Push	1.01	
31 23 16 43-0072 BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 220 CY/Hour, 300' Push	1.28	
31 23 16 43-0073 BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 170 CY/Hour, 300' Push	1.65	
31 23 16 43-0074 BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 135 CY/Hour, 300' Push	2.08	
31 23 16 43-0075 Dozing Distance Averages 450 Feet Push <small>(31 23 16 43-0001)</small>		

31	31	Earthwork
	31 20	Earth Moving
	31 23	Excavation And Fill



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 16 43-0076	Dozer With U-Blade, 215 HP, (D-7G) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0077	BCY Mass Excavation, D-7G Dozer, Light Material 215 HP With U-Blade, 75 CY/Hour, 450' Push	2.72
31 23 16 43-0078	BCY Mass Excavation, D-7G Dozer, Medium Material 215 HP With U-Blade 60 CY/Hour, 450' Push	3.40
31 23 16 43-0079	BCY Mass Excavation, D-7G Dozer, Loose Rock 215 HP With U-Blade, 45 CY/Hour, 450' Push	4.53
31 23 16 43-0080	BCY Mass Excavation, D-7G Dozer, Blasted Rock 215 HP With U-Blade, 35 CY/Hour, 450' Push	5.83

31 23 16 43-0081	Dozer With U-Blade, 335 HP, (D-8L) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0082	BCY Mass Excavation, D-8L Dozer, Light Material 335 HP With U-Blade, 105 CY/Hour, 450' Push	2.51
31 23 16 43-0083	BCY Mass Excavation, D-8L Dozer, Medium Material 335 HP With U-Blade 85 CY/Hour, 450' Push	3.11
31 23 16 43-0084	BCY Mass Excavation, D-8L Dozer, Loose Rock 335 HP With U-Blade, 65 CY/Hour, 450' Push	4.06
31 23 16 43-0085	BCY Mass Excavation, D-8L Dozer, Blasted Rock 335 HP With U-Blade, 50 CY/Hour, 450' Push	5.27

31 23 16 43-0086	Dozer With U-Blade, 460 HP, (D-9L) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0087	BCY Mass Excavation, D-9L Dozer, Light Material 460 HP With U-Blade, 145 CY/Hour, 450' Push	1.77
31 23 16 43-0088	BCY Mass Excavation, D-9L Dozer, Medium Material 460 HP With U-Blade 115 CY/Hour, 450' Push	2.22
31 23 16 43-0089	BCY Mass Excavation, D-9L Dozer, Loose Rock 460 HP With U-Blade, 90 CY/Hour, 450' Push	2.84
31 23 16 43-0090	BCY Mass Excavation, D-9L Dozer, Blasted Rock 460 HP With U-Blade, 70 CY/Hour, 450' Push	3.65

31 23 16 43-0091	Dozer With U-Blade, 700 HP, (D-10) <small>(31 23 16 43-0075)</small>	
31 23 16 43-0092	BCY Mass Excavation, D-10 Dozer, Light Material 700 HP With U-Blade, 185 CY/Hour, 450' Push	1.51
31 23 16 43-0093	BCY Mass Excavation, D-10 Dozer, Medium Material 700 HP With U-Blade 150 CY/Hour, 450' Push	1.86
31 23 16 43-0094	BCY Mass Excavation, D-10 Dozer, Loose Rock 700 HP With U-Blade, 115 CY/Hour, 450' Push	2.43
31 23 16 43-0095	BCY Mass Excavation, D-10 Dozer, Blasted Rock 700 HP With U-Blade, 90 CY/Hour, 450' Push	3.11

31 23 16 43-0096	Excavation By Push Loaded Scraper <small>(31 23 16 43)</small>	
	Note: Choose scraper capacity and cycle time.	

31 23 16 43-0097	Self Propelled Scraper Capacity 9 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0098	BCY Excavation With Push Loaded Self Propelled Scraper 9 BCY, 9 Cycles Per Hour	3.12

31 23 16 43-0099	Self Propelled Scraper Capacity 16 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0100	BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 9 Cycles Per Hour	2.18
31 23 16 43-0101	BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 6 Cycles Per Hour	3.28
31 23 16 43-0102	BCY Excavation With Push Loaded Self Propelled Scraper 16 BCY, 4.5 Cycles Per Hour	4.92

31 23 16 43-0103	Self Propelled Scraper Capacity 25 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0104	BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 9 Cycles Per Hour	1.42
31 23 16 43-0105	BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 6 Cycles Per Hour	2.14
31 23 16 43-0106	BCY Excavation With Push Loaded Self Propelled Scraper 25 BCY, 4.5 Cycles Per Hour	2.52

31 23 16 43-0107	Self Propelled Scraper Capacity 35 BCY <small>(31 23 16 43-0096)</small>	
31 23 16 43-0108	BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 9 Cycles Per Hour	1.08
31 23 16 43-0109	BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 6 Cycles Per Hour	1.61
31 23 16 43-0110	BCY Excavation With Push Loaded Self Propelled Scraper 35 BCY, 4.5 Cycles Per Hour	2.17

31 23 16 43-0111	Mass Excavation By Bucket Drag-Line <small>(31 23 16 43)</small>	
31 23 16 43-0112	CY Excavate Sand/Gravel, By Bucket Drag Line.....	6.09
31 23 16 43-0113	CY Excavate, Soil, By Bucket Drag Line.....	10.53

31 23 19 Dewatering (31 23)

31 23 19 00-0001	Well Point Dewatering System <small>(31 23 19)</small>	
31 23 19 00-0002	Delivery, Installation And Removal Cost <small>(31 23 19 00-0001)</small>	
	Note: Priced by linear foot of header used.	
31 23 19 00-0003	LF Up To 100' In Length Well Point System Delivery, Installation And Removal	97.71
31 23 19 00-0004	LF >100' To 250' In Length Well Point System Delivery, Installation And Removal	53.75
31 23 19 00-0005	LF >250' To 500' In Length Well Point System Delivery, Installation And Removal	48.86
31 23 19 00-0006	LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal	43.97
31 23 19 00-0007	LF >1,000' To 1,000' In Length Well Point System Delivery, Installation And Removal	39.09
31 23 19 00-0008	LF >1,000' In Length Well Point System Delivery, Installation And Removal.....	34.20

31 23 19 00-0009	Well Point Dewatering System Rental <small>(31 23 19 00-0001)</small>	
	Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0010 LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	1.10	
<i>For >5 Days And <1 Month, Deduct</i>	-0.24	
<i>For >1 Month, Deduct</i>	-0.31	
31 23 19 00-0011 LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	0.64	
<i>For >5 Days And <1 Month, Deduct</i>	-0.14	
<i>For >1 Month, Deduct</i>	-0.18	
31 23 19 00-0012 LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.46	
<i>For >5 Days And <1 Month, Deduct</i>	-0.10	
<i>For >1 Month, Deduct</i>	-0.13	
31 23 19 00-0013 LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.34	
<i>For >5 Days And <1 Month, Deduct</i>	-0.07	
<i>For >1 Month, Deduct</i>	-0.10	
31 23 19 00-0014 LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.31	
<i>For >5 Days And <1 Month, Deduct</i>	-0.07	
<i>For >1 Month, Deduct</i>	-0.09	
31 23 19 00-0015 Well Point Dewatering System Operation Costs <small>(31 23 19 00-0001)</small>		
Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016 HR Operation Costs.....	82.67	
31 23 23 Fill <small>(31 23)</small>		
31 23 23 23 Compaction <small>(31 23 23)</small>		
31 23 23 23-0001 Compaction Water, Water Truck And Operator <small>(31 23 23 23)</small>		
31 23 23 23-0002 MGL Compaction Water, Water Truck And Operator	148.61	
Note: Use this task in situations where fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per 1000 Gallons) See CSI section 01 22 23 00-0980 for water truck when water is available on site.		
31 23 23 33 Flowable Fill <small>(31 23 23)</small>		
31 23 23 33-0001 Flowable Cement Backfill For Trenches <small>(31 23 23 33)</small>		
Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002 CY Flowable Cement Backfill for Trenches	97.54	
<i>For Up To 20, Add</i>	40.30	
<i>For >20 To 50, Add</i>	26.13	
<i>For >50 To 250, Add</i>	13.06	
<i>For >500 To 1,000, Deduct</i>	-7.08	
<i>For >1,000, Deduct</i>	-14.17	
31 24 Embankments <small>(31 20)</small>		
31 24 13 Roadway Embankments <small>(31 24)</small>		
31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations <small>(31 24 13)</small>		
Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002 Cutting, Shaping And Rough Grading <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003 Cutting, Shaping, And Rough Grading By Machine <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	4.81	
<i>For Up To 20, Add</i>	4.81	
<i>For >20 To 50, Add</i>	3.61	
<i>For >50 To 250, Add</i>	1.92	
<i>For >250 To 500, Add</i>	0.72	
<i>For >1,000, Deduct</i>	-0.72	
31 24 13 00-0005 CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock.....	5.97	
<i>For Up To 20, Add</i>	5.97	
<i>For >20 To 50, Add</i>	4.48	
<i>For >50 To 250, Add</i>	2.39	
<i>For >250 To 500, Add</i>	0.90	
<i>For >1,000, Deduct</i>	-0.90	
31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope.....	5.26	
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	6.83	
31 24 13 00-0009 Scarify Soil <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		

31	31 Earthwork
	31 20 Earth Moving
	31 24 Embankments



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	4.46	
For Up To 20, Add	2.23	
For >20 To 50, Add	1.12	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.89	
31 24 13 00-0011 Relocating On Site Excavated Material (31 24 13 00-0001)		
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments.....	8.66	
For Up To 20, Add	8.66	
For >20 To 50, Add	6.50	
For >50 To 250, Add	3.46	
For >250 To 500, Add	1.30	
For >1,000, Deduct	-1.30	
31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments	11.54	
For Up To 20, Add	11.54	
For >20 To 50, Add	8.66	
For >50 To 250, Add	4.62	
For >250 To 500, Add	1.73	
For >1,000, Deduct	-1.73	
31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments.		
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments.....	5.29	
For Up To 20, Add	5.29	
For >20 To 50, Add	3.97	
For >50 To 250, Add	2.12	
For >250 To 500, Add	0.79	
For >1,000, Deduct	-0.79	
31 24 13 00-0016 Grading (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.56	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.76	
31 24 13 00-0019 LF Finish Grade For Curb	0.85	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter	1.04	
31 24 13 00-0021 Compaction Of Fill Or Subbase (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.49	
For Up To 250, Add	0.49	
For >250 To 500, Add	0.37	
For >500 To 1,000, Add	0.20	
For >5,000, Deduct	-0.07	
31 24 13 00-0023 Loading Excess Material For Removal From Excavation (31 24 13 00-0001)		
Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	4.15	
For Up To 20, Add	4.15	
For >20 To 50, Add	3.11	
For >50 To 250, Add	1.66	
For >250 To 500, Add	0.62	
For >1,000, Deduct	-0.62	
31 25 Erosion And Sedimentation Controls (31 20)		
31 25 14 Stabilization Measures For Erosion And Sedimentation Control (31 25)		
31 25 14 13 Hydraulically-Applied Erosion Control (31 25 14)		
31 25 14 13-0001 Bonded Fiber Matrix (31 25 14 13)		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	37.79	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	34.25	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	31.26	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied	29.56	
31 25 14 16 Rolled Erosion Control Mats And Blankets (31 25 14)		
31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)		
31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)		
31 25 14 16-0003 SY S75 Single Net Erosion Control Blanket	1.35	
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		



Earthwork	31	15
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0004 SY S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	1.59	
31 25 14 16-0005 SY Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	1.31	
31 25 14 16-0006 SY Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	1.35	
31 25 14 16-0007 SY Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	1.25	
31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)		
31 25 14 16-0009 SY S150 Double Net Erosion Control Blanket..... Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	1.71	
31 25 14 16-0010 SY S150 BN Double Net Erosion Control Blanket..... Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	2.09	
31 25 14 16-0011 SY Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	1.53	
31 25 14 16-0012 SY Curlex II, Double Net Erosion Control Blanket, Green..... Note: As manufactured by American Excelsior.	1.57	
31 25 14 16-0013 SY Enforcer Double Net Erosion Control Blanket..... Note: As manufactured by American Excelsior.	1.64	
31 25 14 16-0014 Turf Reinforcement Mats (TRM) (31 25 14 16-0001)		
Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY P300 Permanent Polypropylene Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized, two layer netting.	8.31	
31 25 14 16-0016 SY C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	7.72	
31 25 14 16-0017 SY Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	6.42	
31 25 14 16-0018 Jute Mesh Erosion Control Blankets (31 25 14 16-0001)		
31 25 14 16-0019 SY Jute Mesh, Open Uniform Weave.....	1.45	
31 25 14 16-0020 Revegetation Mat (31 25 14 16-0001)		
31 25 14 16-0021 SY 3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber..... Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	5.87	
31 25 14 16-0022 SY Webbed Revegetation Mat, Polypropylene Fiber..... Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	8.32	
31 25 14 16-0023 Erosion Control Rolls (31 25 14 16-0001)		
31 25 14 16-0024 SY Erosion Control Rolls, Mirafi 140N.....	1.47	
31 25 14 16-0025 SY Erosion Control Rolls, Amoco 4547	1.49	
31 25 14 23 Stabilization Measures For Erosion Control (31 25 14)		
Note: Includes all erosion control blankets and turf reinforcement mats staples or stakes. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
31 25 14 23-0001 Sand And Gravel Bags (31 25 14 23)		
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002 BAG 50 LB Capacity Sand Bag With Sand For >2,500 To 5,000, Deduct	3.68 -0.29	
31 25 14 23-0003 BAG 33 LB Capacity Gravel Bag With 5/16" To 3/4" Gravel For >5,000, Deduct	3.97 -0.65	
31 25 14 23-0004 BAG Bag Removal	1.90 -0.29 -0.68	
31 25 14 23-0005 Turbidity Curtain (31 25 14 23)		
Note: Type 2 curtain.		
31 25 14 23-0006 LF 3' High Turbidity Curtain	17.58	
31 25 14 23-0007 LF 4' High Turbidity Curtain	19.03	
31 25 14 23-0008 LF 5' High Turbidity Curtain	21.01	
31 25 14 23-0009 LF 6' High Turbidity Curtain	22.71	
31 25 14 23-0010 LF 7' High Turbidity Curtain	23.83	
31 25 14 23-0011 LF 8' High Turbidity Curtain	24.96	
31 25 14 23-0012 LF 9' High Turbidity Curtain	26.26	
31 25 14 23-0013 LF 10' High Turbidity Curtain	28.03	
31 25 14 23-0014 LF 12' High Turbidity Curtain	29.46	
31 25 14 23-0015 LF 13' High Turbidity Curtain	31.34	
31 25 14 23-0016 LF 14' High Turbidity Curtain	33.12	
31 25 14 23-0017 LF 15' High Turbidity Curtain	34.84	
31 25 14 23-0018 LF 16' High Turbidity Curtain	37.84	

31 Earthwork**31 20 Earth Moving****31 25 Erosion And Sedimentation Controls**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
31 25 14 23-0019	LF	17' High Turbidity Curtain.....	39.69	
31 25 14 23-0020	LF	18' High Turbidity Curtain.....	41.49	
31 25 14 23-0021	LF	19' High Turbidity Curtain.....	43.39	
31 25 14 23-0022	LF	20' High Turbidity Curtain.....	45.25	
31 25 14 23-0023		Filter Bags <small>(31 25 14 23)</small>		
31 25 14 23-0024		Non-Woven Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0025	EA	6' x 15' Non-Woven Filter Bag.....	130.41	
31 25 14 23-0026	EA	13' x 15' Non-Woven Filter Bag.....	188.06	
31 25 14 23-0027	EA	15' x 15' Non-Woven Filter Bag.....	216.98	
31 25 14 23-0028		Monofilament Filter Bags <small>(31 25 14 23-0023)</small>		
31 25 14 23-0029	EA	5' x 15' Monofilament Filter Bag.....	135.36	
31 25 14 23-0030	EA	10' x 15' Monofilament Filter Bag.....	186.64	
31 25 14 23-0031		Cable Articulating Concrete Block <small>(31 25 14 23)</small>		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable and fill. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor.				
31 25 14 23-0032	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	29.90	
		For Gravel Fill, Add	0.67	
		For Up To 500, Add	6.85	
		For >500 To 1,000, Add	3.86	
31 25 14 23-0033	SF	6" Open Cell Articulated Concrete Block With Earth Backfill.....	33.97	
		For Gravel Fill, Add	0.76	
		For Up To 500, Add	7.75	
		For >500 To 1,000, Add	4.35	
31 25 14 23-0034	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	38.65	
		For Gravel Fill, Add	0.86	
		For Up To 500, Add	8.78	
		For >500 To 1,000, Add	4.91	
31 25 14 23-0035	SF	9" Open Cell Articulated Concrete Block With Earth Backfill.....	43.49	
		For Gravel Fill, Add	0.96	
		For Up To 500, Add	9.86	
		For >500 To 1,000, Add	5.51	
31 25 14 23-0036	SF	4.75" Closed Cell Articulated Concrete Block.....	31.78	
		For Up To 500, Add	7.23	
		For >500 To 1,000, Add	4.05	
31 25 14 23-0037	SF	6" Closed Cell Articulated Concrete Block.....	36.22	
		For Up To 500, Add	8.20	
		For >500 To 1,000, Add	4.57	
31 25 14 23-0038	SF	7.5" Closed Cell Articulated Concrete Block.....	41.31	
		For Up To 500, Add	9.31	
		For >500 To 1,000, Add	5.18	
31 25 14 23-0039	SF	9" Closed Cell Articulated Concrete Block.....	46.53	
		For Up To 500, Add	10.47	
		For >500 To 1,000, Add	5.82	
31 25 14 26		Stabilization Measures For Sedimentation Control <small>(31 25 14)</small>		
31 25 14 26-0001		Silt Fences And Dike Barriers <small>(31 25 14 26)</small>		
Note: Includes stakes, embedding and removal after use.				
31 25 14 26-0002		Silt Fences 2' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center.....	2.20	
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center.....	1.70	
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center.....	1.20	
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center.....	1.02	
31 25 14 26-0007		Silt Fences 3' High <small>(31 25 14 26-0001)</small>		
31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center.....	2.10	
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center.....	1.75	
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center.....	1.13	
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center.....	1.06	
31 25 14 26-0012		Silt Dike Barrier <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes.....	2.38	
31 25 14 26-0014		Hay And Straw Bales <small>(31 25 14 26)</small>		
Note: Includes stakes and removal after use.				
31 25 14 26-0015	LF	Place And Remove Straw Bales.....	3.41	
Note: Includes securing in ground with stakes.				
31 25 14 26-0016	LF	Place And Remove Hay Bales.....	3.22	
Note: Includes securing in ground with stakes.				
31 25 14 26-0017	EA	Place And Remove Hay Bales, Includes Securing In Ground With Stakes.....	9.65	



Earthwork	31	15
Earth Moving	31 20	
Erosion And Sedimentation Controls	31 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0018 Sediment Logs <small>(31 25 14 26)</small>		
31 25 14 26-0019 Sediment Logs <small>(31 25 14 26-0018)</small>		
Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0020 LF 12" Sediment Log	9.70	
31 25 14 26-0021 LF 20" Sediment Log	11.75	
31 25 14 26-0022 Wattles <small>(31 25 14 26-0018)</small>		
Note: Includes trench for placement, 24" wood staking at 4' O.C.		
31 25 14 26-0023 EA Wattles (Sterile Straw Filled Rolls), 9" x 25'	129.80	
31 25 14 26-0024 EA Wattles (Sterile Straw Filled Rolls), 12" x 18'	123.42	
31 25 14 26-0025 Inlet Protection Sediment Bags <small>(31 25 14 26)</small>		
Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0026 EA 2' x 2' x 3' Inlet Protection Sediment Bag	41.34	
31 25 14 26-0027 EA 2' x 3' x 3' Inlet Protection Sediment Bag	50.97	
31 25 14 26-0028 EA 2' x 4' x 3' Inlet Protection Sediment Bag	62.00	
31 25 14 26-0029 Clean Sediment Logs/Wattles <small>(31 25 14 26)</small>		
Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0030 EA Clean Sediment Logs/Wattles	68.32	
31 30 Earthwork Methods <small>(31)</small>		
31 31 Soil Treatment <small>(31 30)</small>		
31 31 16 Termite Control <small>(31 31)</small>		
31 31 16 13 Chemical Termite Control <small>(31 31 16)</small>		
31 31 16 13-0001 Commercial Use <small>(31 31 16 13)</small>		
31 31 16 13-0002 SF Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.67	
31 31 16 13-0003 SF Termite Pretreatment, Commercial Slab And Walls	0.67	
31 31 16 13-0004 Residential Use <small>(31 31 16 13)</small>		
31 31 16 13-0005 SF Termite Pretreatment, Residential General Spraying Walls And Slab	0.67	
31 31 16 13-0006 SF Termite Treatment, Existing Residential Structure	0.93	
31 31 19 Vegetation Control <small>(31 31)</small>		
31 31 19 13 Chemical Vegetation Control <small>(31 31 19)</small>		
31 31 19 13-0001 Soil Sterilants <small>(31 31 19 13)</small>		
31 31 19 13-0002 MSF Soil Sterilant	18.63	
Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
For >45 To 90, Deduct		-0.35
For >90 To 225, Deduct		-1.64
For >225, Deduct		-2.34
31 32 Soil Stabilization <small>(31 30)</small>		
31 32 13 Soil Mixing Stabilization <small>(31 32)</small>		
31 32 13 16 Cement Soil Stabilization <small>(31 32 13)</small>		
31 32 13 16-0001 Soil Cement Course <small>(31 32 13 16)</small>		
Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.		
31 32 13 16-0002 CY Compacted Soil Cement Course, Material mixed in Central Plant	47.80	
31 32 13 16-0003 CY Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement	50.05	
31 32 13 16-0004 LB Cement, Per Unit Of Measure	0.02	
31 32 13 16-0005 LB Flake Calcium Chloride, Per Unit Of Measure	0.26	
31 32 13 16-0006 EA Mobilize And Demobilize Traveling Pugmill	150.00	
31 32 13 16-0007 Cementitious Soil Binder <small>(31 32 13 16)</small>		
31 32 13 16-0008 CY Cementitious Soil Binder, 4% Cement Mix By Volume	27.75	
31 32 13 16-0009 CY Cementitious Soil Binder, 6% Cement Mix By Volume	31.87	
31 32 13 16-0010 CY Cementitious Soil Binder, 9% Cement Mix By Volume	38.67	
31 32 13 16-0011 CY Cementitious Soil Binder, 12% Cement Mix By Volume	45.36	

31	31 Earthwork
	31 30 Earthwork Methods
	31 32 Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 13 19 Lime Soil Stabilization (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 32 13 19-0001	Lime Slurry <small>(31 32 13 19)</small>	
31 32 13 19-0002	LCY Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	23.30
31 32 13 19-0003	TON Cement Stabilized Base Material	42.30
31 32 13 19-0004	CWT Lime For Soil Stabilization	5.99
	Note: Excludes the cost for spreading or backfilling	
31 32 13 19-0005	LCY Roller, Grader - Lime Stabilization	12.74
31 32 13 19-0006	LCY Roller, Grader - Cement Stabilization	2.91

31 32 13 19-0007 Lime Stabilized Subgrade (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY 6" Thick Lime Stabilized Subgrade, 25 LB	5.82
	For 4% Lime Instead Of 5%, Deduct	-0.11
	For 6% Lime Instead Of 5%, Add	0.11
31 32 13 19-0009	SY 7" Thick Lime Stabilized Subgrade, 29 LB	6.76
	For 4% Lime Instead Of 5%, Deduct	-0.12
	For 6% Lime Instead Of 5%, Add	0.12
31 32 13 19-0010	SY 8" Thick Lime Stabilized Subgrade, 33 LB	7.72
	For 4% Lime Instead Of 5%, Deduct	-0.14
	For 6% Lime Instead Of 5%, Add	0.14
31 32 13 19-0011	SY 10" Thick Lime Stabilized Subgrade, 41 LB/SY	9.64
	For 4% Lime Instead Of 5%, Deduct	-0.18
	For 6% Lime Instead Of 5%, Add	0.18
	For > 5000 SY, Deduct	-0.75
31 32 13 19-0012	SY 12" Thick Lime Stabilized Subgrade, 50 LB/SY	11.57
	For 4% Lime Instead Of 5%, Deduct	-0.21
	For 6% Lime Instead Of 5%, Add	0.21
	For > 5000 SY, Deduct	-0.91
31 32 13 19-0013	SY 14" Thick Lime Stabilized Subgrade, 58 LB/SY	13.47
	For 4% Lime Instead Of 5%, Deduct	-0.24
	For 6% Lime Instead Of 5%, Add	0.24
	For > 5000 SY, Deduct	-1.05
31 32 13 19-0014	SY 16" Thick Lime Stabilized Subgrade, 66 LB/SY	15.41
	For 4% Lime Instead Of 5%, Deduct	-0.28
	For 6% Lime Instead Of 5%, Add	0.28
	For > 5000 SY, Deduct	-1.21
31 32 13 19-0015	SY 18" Thick Lime Stabilized Subgrade, 74 LB/SY	17.35
	For 4% Lime Instead Of 5%, Deduct	-0.31
	For 6% Lime Instead Of 5%, Add	0.31
	For > 5000 SY, Deduct	-1.36

31 32 13 19-0016 Hydrated Lime Stabilized Subgrade (31 32 13 19)

Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.

31 32 13 19-0017	CY Compacted Hydrated Lime Stabilized Subgrade	34.88
31 32 13 19-0018	LB Hydrated Lime	1.01

31 32 13 29 Liquid Soil Stabilization (31 32 13)

31 32 13 29-0001	GAL Polyacrylamide And Calcium Solution	1.94
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31 32 19 Geosynthetic Soil Stabilization And Layer Separation (31 32)

31 32 19 13 Geogrid Soil Stabilization (31 32 19)

31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY 5.3 Oz/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	2.22
	For Up To 50, Add	0.53
	For >50 To 150, Add	0.39
	For >150 To 250, Add	0.25
	For >250 To 500, Add	0.13
31 32 19 13-0003	SY 6.9 Oz/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	2.53
	For Up To 50, Add	0.60
	For >50 To 150, Add	0.44
	For >150 To 250, Add	0.28
	For >250 To 500, Add	0.14
31 32 19 13-0004	SY 8.7 Oz/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	2.74
	For Up To 50, Add	0.64
	For >50 To 150, Add	0.47
	For >150 To 250, Add	0.31
	For >250 To 500, Add	0.15



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0005 SY 12.6 Oz/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800).....	3.89	
<i>For Up To 50, Add</i>	0.87	
<i>For >50 To 150, Add</i>	0.65	
<i>For >150 To 250, Add</i>	0.42	
<i>For >250 To 500, Add</i>	0.21	
31 32 19 13-0006 SY 14.1 Oz/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000).....	4.44	
<i>For Up To 50, Add</i>	0.99	
<i>For >50 To 150, Add</i>	0.73	
<i>For >150 To 250, Add</i>	0.48	
<i>For >250 To 500, Add</i>	0.24	
31 32 19 13-0007 SY 4.3 Oz/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20).....	2.25	
<i>For Up To 50, Add</i>	0.53	
<i>For >50 To 150, Add</i>	0.39	
<i>For >150 To 250, Add</i>	0.25	
<i>For >250 To 500, Add</i>	0.13	
31 32 19 13-0008 SY 5.9 Oz/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30).....	3.27	
<i>For Up To 50, Add</i>	0.74	
<i>For >50 To 150, Add</i>	0.55	
<i>For >150 To 250, Add</i>	0.36	
<i>For >250 To 500, Add</i>	0.18	

31 32 19 16 Geotextile Soil Stabilization (31 32 19)

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)

Note: For drainage, filtration and separation.

31 32 19 16-0002 SY 3.0 Oz/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS).....	0.70	
<i>For Up To 50, Add</i>	0.17	
<i>For >50 To 150, Add</i>	0.13	
<i>For >150 To 250, Add</i>	0.08	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0003 SY 3.5 Oz/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	0.75	
<i>For Up To 50, Add</i>	0.18	
<i>For >50 To 150, Add</i>	0.13	
<i>For >150 To 250, Add</i>	0.09	
<i>For >250 To 500, Add</i>	0.04	
31 32 19 16-0004 SY 4.0 Oz/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	0.81	
<i>For Up To 50, Add</i>	0.20	
<i>For >50 To 150, Add</i>	0.14	
<i>For >150 To 250, Add</i>	0.09	
<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0005 SY 4.5 Oz/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	0.86	
<i>For Up To 50, Add</i>	0.21	
<i>For >50 To 150, Add</i>	0.15	
<i>For >150 To 250, Add</i>	0.10	
<i>For >250 To 500, Add</i>	0.05	
31 32 19 16-0006 SY 6.0 Oz/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	1.01	
<i>For Up To 50, Add</i>	0.24	
<i>For >50 To 150, Add</i>	0.17	
<i>For >150 To 250, Add</i>	0.11	
<i>For >250 To 500, Add</i>	0.06	
31 32 19 16-0007 SY 7.0 Oz/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	1.20	
<i>For Up To 50, Add</i>	0.28	
<i>For >50 To 150, Add</i>	0.21	
<i>For >150 To 250, Add</i>	0.13	
<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0008 SY 8.0 Oz/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	1.31	
<i>For Up To 50, Add</i>	0.30	
<i>For >50 To 150, Add</i>	0.22	
<i>For >150 To 250, Add</i>	0.15	
<i>For >250 To 500, Add</i>	0.07	
31 32 19 16-0009 SY 10 Oz/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	1.60	
<i>For Up To 50, Add</i>	0.36	
<i>For >50 To 150, Add</i>	0.27	
<i>For >150 To 250, Add</i>	0.17	
<i>For >250 To 500, Add</i>	0.09	
31 32 19 16-0010 SY 16 Oz/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	3.46	
<i>For Up To 50, Add</i>	0.73	
<i>For >50 To 150, Add</i>	0.55	
<i>For >150 To 250, Add</i>	0.36	
<i>For >250 To 500, Add</i>	0.18	

31 32 19 16-0011 Woven Geotextiles Fabric (31 32 19 16)

31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	0.99	
<i>For Up To 50, Add</i>	0.23	
<i>For >50 To 150, Add</i>	0.17	
<i>For >150 To 250, Add</i>	0.11	
<i>For >250 To 500, Add</i>	0.06	

31	Earthwork
31 30	Earthwork Methods
31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	1.37	
For Up To 50, Add	0.31	
For >50 To 150, Add	0.23	
For >150 To 250, Add	0.15	
For >250 To 500, Add	0.07	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	2.40	
For Up To 50, Add	0.52	
For >50 To 150, Add	0.39	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.13	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	2.34	
For Up To 50, Add	0.51	
For >50 To 150, Add	0.38	
For >150 To 250, Add	0.25	
For >250 To 500, Add	0.12	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	2.05	
For Up To 50, Add	0.45	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.22	
For >250 To 500, Add	0.11	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	2.19	
For Up To 50, Add	0.48	
For >50 To 150, Add	0.36	
For >150 To 250, Add	0.23	
For >250 To 500, Add	0.12	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	2.78	
For Up To 50, Add	0.60	
For >50 To 150, Add	0.45	
For >150 To 250, Add	0.29	
For >250 To 500, Add	0.15	
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	3.94	
For Up To 50, Add	0.83	
For >50 To 150, Add	0.62	
For >150 To 250, Add	0.41	
For >250 To 500, Add	0.20	
31 32 19 16-0020 Geomembranes <small>(31 32 19 16)</small>		
31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane <small>(31 32 19 16-0020)</small>		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.80	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	0.91	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.10	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.30	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.48	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.62	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.75	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.92	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.10	
31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane <small>(31 32 19 16-0020)</small>		
31 32 19 16-0032 SF 20 Mil High Density Polyethylene Membrane (US Fabrics)	0.57	
31 32 19 16-0033 SF 30 Mil High Density Polyethylene Membrane (US Fabrics)	0.77	
31 32 19 16-0034 SF 40 Mil High Density Polyethylene Membrane (US Fabrics)	0.90	
31 32 19 16-0035 SF 50 Mil High Density Polyethylene Membrane (US Fabrics)	1.49	
31 32 19 16-0036 SF 60 Mil High Density Polyethylene Membrane (US Fabrics)	1.15	
31 32 19 16-0037 SF 80 Mil High Density Polyethylene Membrane (US Fabrics)	1.43	
31 32 19 16-0038 SF 100 Mil High Density Polyethylene Membrane (US Fabrics)	1.70	
31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics)	3.08	
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics)	3.19	
31 32 19 16-0041 Rock Slope Protection Fabric (Monterey County) <small>(31 32 19 16)</small>		
31 32 19 16-0042 SY Rock Slope Protection Fabric, Drainage Outlet (Monterey County)	5.16	
31 32 19 26 Geoweb Cellular Confinement System <small>(31 32 19)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0001 Geoweb Cellular Confinement System <small>(31 32 19 26)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems)	4.24	
For >20,000, Deduct	-0.08	
For >2:1 Slope, Add	0.90	



Earthwork	31	13
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems)	4.92	
<i>For >20,000, Deduct</i>	-0.11	
<i>For >2:1 Slope, Add</i>	0.90	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems)	5.73	
<i>For >20,000, Deduct</i>	-0.15	
<i>For >2:1 Slope, Add</i>	0.90	

31 32 36 Soil Nailing (31 32)

31 32 36 00-0001 Landslide and Slip-Out Stabilization (31 32 36)

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current State license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor will also warrant the stability of the repaired roadway section for a period of not less than five (5) years.

31 32 36 00-0002 Launched Soil Nails™ (31 32 36 00-0001)

Note: Furnish Launched Soil Nails™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Alternately, the tube may be composed of fiberglass (1.5 inch outside diameter, 0.5 inch wall thickness Strongwell EXTREN Series 625 Vinyl Ester fiberglass). Furnish equipment and incidentals necessary to complete the work. Insert Launched Soil Nails™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0003 EA Launched Soil Nails™ up to 20-ft. length.....	600.00
31 32 36 00-0004 EA Fiberglass Launched Soil Nails™ up to 20-ft. length	700.00

31 32 36 00-0005 SuperNails® (31 32 36 00-0001)

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 rebar or threadbar as the inner bar. SuperNails® may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNails® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0006 EA SuperNails® up to 20-ft. length.....	600.00
31 32 36 00-0007 EA SuperNails® up to 30-ft. length.....	750.00
31 32 36 00-0008 EA SuperNails® up to 40-ft. length.....	1,100.00
31 32 36 00-0009 EA SuperNails® up to 50-ft. length.....	1,375.00
31 32 36 00-0010 EA SuperNails® up to 60-ft. length.....	1,650.00
31 32 36 00-0011 EA SuperNails® up to 70-ft. length.....	1,925.00
31 32 36 00-0012 EA SuperNails® up to 80-ft. length.....	2,200.00

31 32 36 00-0013 Self Drilling SuperNails® (31 32 36 00-0001)

Note: Furnish Self Drilling SuperNails® that are a two stage construction including installation of (1) an outer tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities with a sacrificial drill bit; and (2) neat cement grout that is installed as the outer tube is drilled that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 or greater rebar or threadbar as the inner bar, if required by the Contractor's Engineer. Self Drilling SuperNails™ may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert Self Drilling SuperNail™ outer tubes by drilling a hole to a prescribed depth and grouting during drilling operations. If required, immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0014 EA Self Drilling SuperNails® up to 20-ft	700.00
31 32 36 00-0015 EA Self Drilling SuperNails® up to 30-ft	1,200.00
31 32 36 00-0016 EA Self Drilling SuperNails® up to 40-ft	2,000.00
31 32 36 00-0017 EA Self Drilling SuperNails® up to 50-ft	2,400.00
31 32 36 00-0018 EA Self Drilling SuperNails® up to 60-ft	2,950.00
31 32 36 00-0019 EA Self Drilling SuperNails® up to 70-ft	3,100.00
31 32 36 00-0020 EA Self Drilling SuperNails® up to 80-ft	3,300.00

31	31	Earthwork
	31 30	Earthwork Methods
	31 32	Soil Stabilization



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0021	SuperMicropiles™ <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #4 (or greater) grade 60 rebar or threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 80 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #4 or larger epoxy coated inner bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0022	EA SuperMicropiles™ up to 20-ft. length.....	600.00
31 32 36 00-0023	EA SuperMicropiles™ up to 30-ft. length.....	750.00
31 32 36 00-0024	EA SuperMicropiles™ up to 40-ft. length.....	1,100.00
31 32 36 00-0025	EA SuperMicropiles™ up to 50-ft. length.....	1,375.00

31 32 36 00-0026	Self Drilling SuperMicropiles™ <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish Self Drilling SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering "B7X" or Ischebeck "Titan" bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Inserted length and spacing of Self Drilling SuperMicroPiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0027	EA Self Drilling SuperMicropiles™ up to 20-ft. length.....	700.00
31 32 36 00-0028	EA Self Drilling SuperMicropiles™ up to 30-ft. length.....	1,200.00
31 32 36 00-0029	EA Self Drilling SuperMicropiles™ up to 40-ft. length.....	2,000.00
31 32 36 00-0030	EA Self Drilling SuperMicropiles™ up to 50-ft. length.....	2,400.00

31 32 36 00-0031	BioWall® <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 00-0032	SF BioWall®.....	30.00

31 32 36 00-0033	Geosynthetically Confined Soil Wall (GCS®) <small>(31 32 36 00-0001)</small>	
	<p>Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™. Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 --"Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing") noted below. A. Reinforcement Selection and Placement 1. Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. 2. Use a woven polypropylene geotextile with ultimate tensile strength of 4800 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). 3. The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. 4. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. 5. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. B. Backfill Specifications 1. Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. 2. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. 3. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. 4. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. C. Backfill Placement 1. Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. 2. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. 3. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or ¾ in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). 4. Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. 5. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft)</p>	
31 32 36 00-0034	SF Geosynthetically Confined Soil™ Wall (GCS®).....	40.00



Earthwork	31	15
Earthwork Methods	31 30	
Soil Stabilization	31 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 00-0035

Shotcrete (31 32 36 00-0001)

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement

AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures: Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Superplasticizer Retarders AASHTO M194/ASTM C494 Type B or D. Mineral Admixtures: Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions galvanized steel wire mesh Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size

Percent Passing by Weight 1/2"	100 3/8"
90-100 No. 4	70-85 No. 8
	100

Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 Psi in 3 days and 4000 Psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete co

31 32 36 00-0036	SF	Shotcrete – 4" thick.....	30.00
		Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	
31 32 36 00-0037	SF	Shotcrete – 6" thick.....	35.00
		Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	
31 32 36 00-0038	SF	Shotcrete – 8" thick.....	40.00
		Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	
31 32 36 00-0039	SF	Shotcrete – 10" thick.....	45.00
		Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	
31 32 36 00-0040	SF	Shotcrete – 12" thick.....	50.00
		Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails®, Self Drilling SuperNails® and Self Drilling SuperMicropiles™	
31 32 36 00-0041	SF	Shotcrete – Sculpted and stained – varying thickness.....	17.50
		Note: For use with Launched Soil Nails™, SuperMicropiles™ SuperNails® and Self Drilling SuperNails®.	

31 32 36 00-0042

Steel Mesh (31 32 36 00-0001)

Note: Furnish Galvanized Steel Mesh for use with Launched Soil Nails™, SuperNails®, Self Drilling SuperNails® or Self Drilling SuperMicropiles™ that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 00-0043	SF	Galvanized Steel Mesh.....	15.00
		Note: For use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®.	

31 32 36 00-0044

Mobilization / Demobilization (31 32 36 00-0001)

Note: Point of origin is from the acceptable contractor's facility location. Contractors meeting these requirements and are authorized to install the materials are as follows: a) Landslide Solutions, Inc., 9362 Cedarview Way, Elk Grove, CA 95758 b) Soil Nail Launcher, Inc. 955 Malachite Drive, Fruita, CO 81521 c) Geostabilization Inc., 955 Malachite Drive, Fruita, CO 81521.

31 32 36 00-0045	EA	Mobilization / Demobilization Less than 50 miles.....	2,000.00
31 32 36 00-0046	EA	Mobilization / Demobilization >50 To 700 Miles.....	5,000.00
31 32 36 00-0047	EA	Mobilization / Demobilization >700 To 1,500 Miles.....	8,000.00
31 32 36 00-0048	EA	Mobilization / Demobilization >1,500 To 5,000 Miles.....	15,000.00

31 36 Gabions (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section

31	Earthwork
31 30	Earthwork Methods
31 36	Gabions



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

01 74 19 00-0050 for hauling greater than 15 miles.

31 36 13 Gabion Boxes ^(31 36)

31 36 13 00-0001	Stone Filled Gabion Slope Protection ^(31 36 13)	
	Note: Machine placed by SY of total top face area for depth indicated.	
31 36 13 00-0002	SY 6" Deep Stone Filled Gabion Slope Protection	53.81
31 36 13 00-0003	SY 9" Deep Stone Filled Gabion Slope Protection	63.67
31 36 13 00-0004	SY 12" Deep Stone Filled Gabion Slope Protection	77.16
31 36 13 00-0005	SY 15" Deep Stone Filled Gabion Slope Protection	91.00
31 36 13 00-0006	SY 18" Deep Stone Filled Gabion Slope Protection	106.81
31 36 13 00-0007	SY 24" Deep Stone Filled Gabion Slope Protection	146.31
31 36 13 00-0008	SY 36" Deep Stone Filled Gabion Slope Protection	185.05

31 37 Riprap ^(31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

31 37 00 00-0001 Random - Filter Stone ^(31 37)

31 37 00 00-0002	CY 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	41.86
	<i>For Chinking Material, Add</i>	13.02
31 37 00 00-0003	CY >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	48.17
	<i>For Chinking Material, Add</i>	13.02
31 37 00 00-0004	CY >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	51.15
	<i>For Chinking Material, Add</i>	13.02
31 37 00 00-0005	CY >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	54.53
	<i>For Chinking Material, Add</i>	13.02
31 37 00 00-0006	CY >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	57.27
	<i>For Chinking Material, Add</i>	13.02
31 37 00 00-0007	CY >600 LB Average Pieces Random, Dumped From Truck, Rip Rap	61.73
31 37 00 00-0008	CY 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	76.29
31 37 00 00-0009	TON 10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	27.97
31 37 00 00-0010	TON >50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	31.98
31 37 00 00-0011	TON >100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	33.87
31 37 00 00-0012	TON >200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	36.02
31 37 00 00-0013	TON >300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	37.75
31 37 00 00-0014	TON >600 LB Average Pieces Random, Dumped From Truck, Rip Rap	40.62
31 37 00 00-0015	TON 3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	52.01

31 40 Shoring And Underpinning ⁽³¹⁾

31 41 Shoring ^(31 40)

31 41 13 Timber Shoring ^(31 41)

31 41 13 00-0001	Wood Sheet Piling ^(31 41 13)	
31 41 13 00-0002	Pull And Salvage ^(31 41 13 00-0001)	
	Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.	
31 41 13 00-0003	SF Wood Shoring, 8' Deep Excavation, Pull And Salvage	10.24
	<i>For Wood Sheeting Left In Place</i>	-0.91
31 41 13 00-0004	SF Wood Shoring, 10' Deep Excavation, Pull And Salvage	11.07
	<i>For Wood Sheeting Left In Place</i>	-1.07
31 41 13 00-0005	SF Wood Shoring, 12' Deep Excavation, Pull And Salvage	12.00
	<i>For Wood Sheeting Left In Place</i>	-1.25
31 41 13 00-0006	SF Wood Shoring, 14' Deep Excavation, Pull And Salvage	12.99
	<i>For Wood Sheeting Left In Place</i>	-1.45
31 41 13 00-0007	SF Wood Shoring, 16' Deep Excavation, Pull And Salvage	14.07
	<i>For Wood Sheeting Left In Place</i>	-1.66
31 41 13 00-0008	SF Wood Shoring, 18' Deep Excavation, Pull And Salvage	15.24
	<i>For Wood Sheeting Left In Place</i>	-1.90
31 41 13 00-0009	SF Wood Shoring, 20' Deep Excavation, Pull And Salvage	16.52
	<i>For Wood Sheeting Left In Place</i>	-2.17

31 41 16 Sheet Piling ^(31 41)

31 41 16 13 Steel Sheet Piling ^(31 41 16)

31 41 16 13-0001	Standard Carbon Grade Steel Sheeting - Pull And Salvage ^(31 41 16 13)	
	Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.	
31 41 16 13-0002	TON Shoring For 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	1,619.62
	<i>For Standard Sheeting Left In Place, Add</i>	848.30
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,212.27
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	90.99
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	101.10
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	313.42
	<i>For Each Additional Month >3 Months, Add</i>	50.55



Earthwork	31	15
Shoring And Underpinning	31 40	
Shoring	31 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 16 13-0003 TON Shoring For 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	1,679.64	
For Standard Sheeting Left In Place, Add	818.29	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,182.26	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0004 TON Shoring For 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	1,958.70	
For Standard Sheeting Left In Place, Add	678.76	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	1,042.73	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0005 TON Shoring For 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,227.21	
For Standard Sheeting Left In Place, Add	544.50	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	908.48	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0006 TON Shoring For 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,385.17	
For Standard Sheeting Left In Place, Add	465.52	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	829.50	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	
31 41 16 13-0007 TON Shoring For 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,546.29	
For Standard Sheeting Left In Place, Add	384.96	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	748.94	
For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	90.99	
For High Strength Sheeting 55,000 PSI Grade, Add	101.10	
For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	313.42	
For Each Additional Month >3 Months, Add	50.55	

31 45 Vibroflotation And Densification ^(31 40)

31 45 13 Vibroflotation ^(31 45)

31 45 13 00-0001 LCY Soil Stabilization, Vibroflotation.....	10.65
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31 60 Special Foundations And Load-bearing Elements ⁽³¹⁾

31 62 Driven Piles ^(31 60)

31 62 13 Concrete Piles ^(31 62)

31 62 13 19 Precast Concrete Piles ^(31 62 13)

31 62 13 19-0001 Tapered Friction Piles With Fluted Steel Casing Up To 50' ^(31 62 13 19)

Note: With 4000 PSI concrete. Excludes reinforcing.

31 62 13 19-0002 VLF 12" Diameter Tapered Friction Steel Pile, 7 Gauge.....	42.37
For Piles Driven In Water, Add	14.70
31 62 13 19-0003 VLF 14" Diameter Tapered Friction Steel Pile, 7 Gauge.....	43.59
For Piles Driven In Water, Add	15.57
31 62 13 19-0004 VLF 16" Diameter Tapered Friction Steel Pile, 7 Gauge.....	52.85
For Piles Driven In Water, Add	17.35
31 62 13 19-0005 VLF 18" Diameter Tapered Friction Steel Pile, 7 Gauge.....	60.80
For Piles Driven In Water, Add	19.17

31 62 13 19-0006 Constant Diameter Pile, End Bearing, With Fluted Steel Casing ^(31 62 13 19)

Note: Up to 50'. Excludes reinforced.

31 62 13 19-0007 VLF 12" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge.....	43.15
For Piles Driven In Water, Add	14.78
31 62 13 19-0008 VLF 14" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge.....	52.04
For Piles Driven In Water, Add	16.42
31 62 13 19-0009 VLF 16" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge.....	58.77
For Piles Driven In Water, Add	17.95
31 62 13 19-0010 VLF 18" Diameter Constant Diameter Steel Pipe Pile, 7 Gauge.....	63.93
For Piles Driven In Water, Add	19.48

31 62 13 19-0011 Thin Wall Shell Straight Sided ^(31 62 13 19)

31 62 13 19-0012 VLF 8" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	26.01
For Piles Driven In Water, Add	11.43
For Thick Wall Shell, Add	0.04
31 62 13 19-0013 VLF 10" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	28.72
For Piles Driven In Water, Add	12.68
For Thick Wall Shell, Add	0.04

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 19-0014 VLF 12" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	31.42	
For Piles Driven In Water, Add	13.93	
For Thick Wall Shell, Add	0.05	
31 62 13 19-0015 VLF 14" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	34.13	
For Piles Driven In Water, Add	15.19	
For Thick Wall Shell, Add	0.05	
31 62 13 19-0016 VLF 16" Diameter, 16 Gauge Steel Thin Wall Shell Straight Sided.....	36.86	
For Piles Driven In Water, Add	16.45	
For Thick Wall Shell, Add	0.06	
31 62 13 23 Prestressed Concrete Piles (31 62 13 23)		
31 62 13 23-0001 Square Piles (31 62 13 23)		
31 62 13 23-0002 VLF 10" Prestressed Square Concrete Pile.....	21.17	
For Piles Driven In Water, Add	11.08	
31 62 13 23-0003 VLF 12" Prestressed Square Concrete Pile.....	26.32	
For Piles Driven In Water, Add	12.44	
31 62 13 23-0004 VLF 14" Prestressed Square Concrete Pile.....	31.65	
For Piles Driven In Water, Add	13.63	
31 62 13 23-0005 VLF 16" Prestressed Square Concrete Pile.....	38.49	
For Piles Driven In Water, Add	15.06	
31 62 13 23-0006 VLF 18" Prestressed Square Concrete Pile.....	46.44	
For Piles Driven In Water, Add	16.71	
31 62 13 23-0007 VLF 20" Prestressed Square Concrete Pile.....	53.58	
For Piles Driven In Water, Add	18.44	
31 62 13 23-0008 VLF 24" Prestressed Square Concrete Pile.....	67.90	
For Piles Driven In Water, Add	21.06	
31 62 13 23-0009 Octagonal Pile (31 62 13 23)		
31 62 13 23-0010 VLF 12" Prestressed Octagonal Concrete Pile.....	34.28	
For Piles Driven In Water, Add	12.66	
31 62 13 23-0011 VLF 14" Prestressed Octagonal Concrete Pile.....	42.93	
For Piles Driven In Water, Add	14.10	
31 62 13 23-0012 VLF 16" Prestressed Octagonal Concrete Pile.....	51.67	
For Piles Driven In Water, Add	15.63	
31 62 13 23-0013 VLF 18" Prestressed Octagonal Concrete Pile.....	62.51	
For Piles Driven In Water, Add	17.47	
31 62 13 23-0014 VLF 20" Prestressed Octagonal Concrete Pile.....	113.51	
For Piles Driven In Water, Add	23.42	
31 62 13 23-0015 VLF 24" Prestressed Octagonal Concrete Pile.....	70.60	
For Piles Driven In Water, Add	20.15	
31 62 13 23-0016 Straight Cylinder (31 62 13 23)		
31 62 13 23-0017 VLF 12" Diameter Prestressed Concrete Pile 2-3/8" Wall, Straight Cylinder.....	25.91	
For Piles Driven In Water, Add	11.31	
31 62 13 23-0018 VLF 14" Diameter Prestressed Concrete Pile 2-1/2" Wall, Straight Cylinder.....	30.18	
For Piles Driven In Water, Add	12.25	
31 62 13 23-0019 VLF 16" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder.....	35.23	
For Piles Driven In Water, Add	13.33	
31 62 13 23-0020 VLF 18" Diameter Prestressed Concrete Pile 3" Wall, Straight Cylinder.....	39.56	
For Piles Driven In Water, Add	14.42	
31 62 13 23-0021 VLF 20" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder.....	48.80	
For Piles Driven In Water, Add	16.09	
31 62 13 23-0022 VLF 24" Diameter Prestressed Concrete Pile 3-1/2" Wall, Straight Cylinder.....	59.46	
For Piles Driven In Water, Add	18.02	
31 62 16 Steel Piles (31 62)		
31 62 16 16 Steel H Piles (31 62 16)		
31 62 16 16-0001 Steel H-Section Piles (31 62 16 16)		
31 62 16 16-0002 VLF 8 x 8 x 36 LB/FT Driven Steel H-Section Pile Rolled Steel.....	40.19	
For Piles Driven In Water, Add	13.83	
31 62 16 16-0003 VLF 10 x 10 x 42 LB/FT Driven Steel H-Section Pile Rolled Steel.....	45.62	
For Piles Driven In Water, Add	14.86	
31 62 16 16-0004 VLF 10 x 10 x 57 LB/FT Driven Steel H-Section Pile Rolled Steel.....	57.82	
For Piles Driven In Water, Add	16.08	
31 62 16 16-0005 VLF 12 x 12 x 53 LB/FT Driven Steel H-Section Pile Rolled Steel.....	54.92	
For Piles Driven In Water, Add	16.10	
31 62 16 16-0006 VLF 12 x 12 x 63 LB/FT Driven Steel H-Section Pile Rolled Steel.....	63.05	
For Piles Driven In Water, Add	16.92	
31 62 16 16-0007 VLF 12 x 12 x 74 LB/FT Driven Steel H-Section Pile Rolled Steel.....	72.99	
For Piles Driven In Water, Add	18.79	
31 62 16 16-0008 VLF 12 x 12 x 84 LB/FT Driven Steel H-Section Pile Rolled Steel.....	81.12	
For Piles Driven In Water, Add	19.61	
31 62 16 16-0009 VLF 14 x 14 x 73 LB/FT Driven Steel H-Section Pile Rolled Steel.....	72.48	
For Piles Driven In Water, Add	19.02	
31 62 16 16-0010 VLF 14 x 14 x 89 LB/FT Driven Steel H-Section Pile Rolled Steel.....	86.31	
For Piles Driven In Water, Add	20.40	



Earthwork	31	
Special Foundations And Load-bearing Elements	31 60	13
Driven Piles	31 62	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0011 VLF 14 x 14 x 102 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	97.16 22.46	
31 62 16 16-0012 VLF 14 x 14 x 117 LB/FT Driven Steel H-Section Pile Rolled Steel <i>For Piles Driven In Water, Add</i>	110.18 23.76	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014 EA 8" H-Section Pile Splice Rolled Steel.....	300.47	
31 62 16 16-0015 EA 10" H-Section Pile Splice Rolled Steel.....	358.27	
31 62 16 16-0016 EA 12" H-Section Pile Splice Rolled Steel.....	473.84	
31 62 16 16-0017 EA 14" H-Section Pile Splice Rolled Steel.....	502.74	
31 62 16 16-0018 EA 8" H-Section Driving Cap Rolled Steel.....	4,716.22	
31 62 16 16-0019 EA 10" H-Section Driving Cap Rolled Steel.....	4,716.22	
31 62 16 16-0020 EA 12" H-Section Driving Cap Rolled Steel.....	4,761.70	
31 62 16 16-0021 EA 14" H-Section Driving Cap Rolled Steel.....	7,218.07	
31 62 16 16-0022 EA 8" H-Section Standard Point Standard, Rolled Steel.....	329.37	
31 62 16 16-0023 EA 10" H-Section Standard Point Standard, Rolled Steel.....	358.27	
31 62 16 16-0024 EA 12" H-Section Standard Point Standard, Rolled Steel.....	473.84	
31 62 16 16-0025 EA 14" H-Section Standard Point Standard, Rolled Steel.....	560.54	
31 62 16 16-0026 EA 10" H-Section Standard Point Heavy Duty, Rolled Steel.....	473.84	
31 62 16 16-0027 EA 14" H-Section Standard Point Heavy Duty, Rolled Steel.....	616.51	
31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)		
31 62 16 19-0001 Pipe Piles, Non-Filled (31 62 16 19)		
31 62 16 19-0002 VLF 8" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	25.30 15.09	
31 62 16 19-0003 VLF 10" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	28.14 15.37	
31 62 16 19-0004 VLF 12" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	32.22 16.44	
31 62 16 19-0005 VLF 14" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	35.02 18.11	
31 62 16 19-0006 VLF 16" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	38.99 20.21	
31 62 16 19-0007 VLF 18" Diameter Non-Filled Steel Pipe Piles..... <i>For Piles Driven In Water, Add</i>	46.77 22.36	
31 62 16 19-0008 Splices And Points For Pipe Pile (31 62 16 19)		
31 62 16 19-0009 Splice (31 62 16 19-0008)		
31 62 16 19-0010 EA 8" Diameter Pipe Pile Splice Steel.....	188.71	
31 62 16 19-0011 EA 10" Diameter Pipe Pile Splice Steel.....	197.90	
31 62 16 19-0012 EA 12" Diameter Pipe Pile Splice Steel.....	262.05	
31 62 16 19-0013 EA 14" Diameter Pipe Pile Splice Steel.....	271.12	
31 62 16 19-0014 EA 16" Diameter Pipe Pile Splice Steel.....	320.73	
31 62 16 19-0015 EA 18" Diameter Pipe Pile Splice Steel.....	380.33	
31 62 16 19-0016 Standard Point (31 62 16 19-0008)		
31 62 16 19-0017 EA 8" Diameter Steel Pipe Pile Standard Point.....	196.57	
31 62 16 19-0018 EA 10" Diameter Steel Pipe Pile Standard Point.....	203.93	
31 62 16 19-0019 EA 12" Diameter Steel Pipe Pile Standard Point.....	229.06	
31 62 16 19-0020 EA 14" Diameter Steel Pipe Pile Standard Point.....	249.31	
31 62 16 19-0021 EA 16" Diameter Steel Pipe Pile Standard Point.....	267.72	
31 62 16 19-0022 EA 18" Diameter Steel Pipe Pile Standard Point.....	310.57	
31 62 16 19-0023 Heavy Duty Point (31 62 16 19-0008)		
31 62 16 19-0024 EA 10" Diameter Steel Pipe Pile Point Heavy Duty.....	292.40	
31 62 16 19-0025 EA 12" Diameter Steel Pipe Pile Point Heavy Duty.....	301.60	
31 62 16 19-0026 EA 14" Diameter Steel Pipe Pile Point Heavy Duty.....	335.54	
31 62 16 19-0027 EA 16" Diameter Steel Pipe Pile Point Heavy Duty.....	372.36	
31 62 16 19-0028 EA 18" Diameter Steel Pipe Pile Point Heavy Duty.....	411.44	
31 62 19 Timber Piles (31 62)		
31 62 19 00-0001 Treated Wood Piles, Friction Or End Bearing 12 LB (31 62 19)		
Note: Penta-treated/CF.		
31 62 19 00-0002 LF 12" Butt x 8" Tip Treated Wood Piles Up To 30'..... <i>For Piles Driven In Water, Add</i> <i>For Untreated Pile, Deduct</i> <i>For Each Pile Tip Point, Add</i> <i>For Each Pile Butt, Driving Cap, Add</i> <i>For Each Splice For Pile >50', Add</i>	16.51 10.37 -2.52 12.50 20.10 139.40	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 62 Driven Piles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 19 00-0003	LF	12" Butt x 8" Tip Treated Wood Piles 30' To 39'	.....	17.80	
		<i>For Piles Driven In Water, Add</i>		11.59	
		<i>For Untreated Pile, Deduct</i>		-2.55	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0004	LF	12" Butt x 7" Tip Treated Wood Pile 40' To 49'	.....	18.84	
		<i>For Piles Driven In Water, Add</i>		12.35	
		<i>For Untreated Pile, Deduct</i>		-2.67	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0005	LF	13" Butt x 7" Tip Treated Wood Pile 50' To 59'	.....	20.61	
		<i>For Piles Driven In Water, Add</i>		13.83	
		<i>For Untreated Pile, Deduct</i>		-2.79	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0006	LF	13" Butt x 6" Tip Wood Pile 60' To 69'	.....	24.62	
		<i>For Piles Driven In Water, Add</i>		15.55	
		<i>For Untreated Pile, Deduct</i>		-3.73	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	
31 62 19 00-0007	LF	13" Butt x 6" Tip Wood Pile 70' To 79'	.....	30.33	
		<i>For Piles Driven In Water, Add</i>		18.73	
		<i>For Untreated Pile, Deduct</i>		-4.77	
		<i>For Each Pile Tip Point, Add</i>		12.50	
		<i>For Each Pile Butt, Driving Cap, Add</i>		20.10	
		<i>For Each Splice For Pile >50', Add</i>		139.40	

31 62 23 Composite Piles (31 62)**31 62 23 13 Concrete-Filled Steel Piles (31 62 23)****31 62 23 13-0001 Concrete Filled Pipe Piles (31 62 23 13)**

Note: All material included in cost.

31 62 23 13-0002	VLF	8" Diameter Concrete Filled Steel Pipe Piles, 29 LB/FT	.....	28.04	
		<i>For Piles Driven In Water, Add</i>		16.46	
31 62 23 13-0003	VLF	10" Diameter Concrete Filled Steel Pipe Piles, 34 LB/FT	.....	32.12	
		<i>For Piles Driven In Water, Add</i>		17.17	
31 62 23 13-0004	VLF	12" Diameter Concrete Filled Steel Pipe Piles, 42 LB/FT	.....	37.80	
		<i>For Piles Driven In Water, Add</i>		18.91	
31 62 23 13-0005	VLF	14" Diameter Concrete Filled Steel Pipe Piles, 46 LB/FT	.....	42.57	
		<i>For Piles Driven In Water, Add</i>		21.94	
31 62 23 13-0006	VLF	16" Diameter Concrete Filled Steel Pipe Piles, 52 LB/FT	.....	47.14	
		<i>For Piles Driven In Water, Add</i>		23.45	
31 62 23 13-0007	VLF	18" Diameter Concrete Filled Steel Pipe Piles, 59 LB/FT	.....	56.58	
		<i>For Piles Driven In Water, Add</i>		25.91	

31 63 Bored Piles (31 60)**31 63 36 Drilled Steel Piles (31 63)****31 63 36 00-0001 Drill Hole (31 63 36)**

Note: Excludes removal of excess material.

31 63 36 00-0002 Mobilization (31 63 36 00-0001)

31 63 36 00-0003	EA	Drilling Mobilization, >12" To 24" Diameter Hole	.....	674.74	
31 63 36 00-0004	EA	Drilling Mobilization, >24" Diameter Hole	.....	899.65	

31 63 36 00-0005 Drill Hole In Soil (31 63 36 00-0001)

31 63 36 00-0006	LF	18" Hole Drilled/Auger Up To 24' Depth	.....	38.90	
31 63 36 00-0007	LF	20" Hole Drilled/Auger Up To 24' Depth	.....	45.24	
31 63 36 00-0008	LF	22" Hole Drilled/Auger Up To 24' Depth	.....	53.16	
31 63 36 00-0009	LF	24" Hole Drilled/Auger Up To 24' Depth	.....	62.65	
31 63 36 00-0010	LF	26" Hole Drilled/Auger Up To 24' Depth	.....	67.72	
31 63 36 00-0011	LF	28" Hole Drilled/Auger Up To 24' Depth	.....	74.50	
31 63 36 00-0012	LF	30" Hole Drilled/Auger Up To 24' Depth	.....	81.60	

31 63 36 00-0013 Steel H-Section Piles (31 63 36)**31 63 36 00-0014 Steel H-Section Piles Placed In Drilled Hole (31 63 36 00-0013)**

Note: Includes guides, bracing and alignment.

31 63 36 00-0015	VLF	8 x 8 x 36 LB/FT Steel H-Section Pile Rolled Steel	.....	38.84	
		<i>For >2,400 To 3,600, Deduct</i>		-1.21	
		<i>For >3,600 To 4,800, Deduct</i>		-2.42	
		<i>For >4,800 To 6,000, Deduct</i>		-4.36	
		<i>For >6,000, Deduct</i>		-6.30	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0016 VLF 10 x 10 x 42 LB/FT Steel H-Section Pile Rolled Steel	44.22	
<i>For >2,400 To 3,600, Deduct</i>	-1.36	
<i>For >3,600 To 4,800, Deduct</i>	-2.71	
<i>For >4,800 To 6,000, Deduct</i>	-4.92	
<i>For >6,000, Deduct</i>	-7.14	
31 63 36 00-0017 VLF 10 x 10 x 57 LB/FT Steel H-Section Pile Rolled Steel	56.42	
<i>For >2,400 To 3,600, Deduct</i>	-1.66	
<i>For >3,600 To 4,800, Deduct</i>	-3.32	
<i>For >4,800 To 6,000, Deduct</i>	-6.14	
<i>For >6,000, Deduct</i>	-8.97	
31 63 36 00-0018 VLF 12 x 12 x 53 LB/FT Steel H-Section Pile Rolled Steel	53.46	
<i>For >2,400 To 3,600, Deduct</i>	-1.59	
<i>For >3,600 To 4,800, Deduct</i>	-3.19	
<i>For >4,800 To 6,000, Deduct</i>	-5.86	
<i>For >6,000, Deduct</i>	-8.54	
31 63 36 00-0019 VLF 12 x 12 x 63 LB/FT Steel H-Section Pile Rolled Steel	51.59	
<i>For >2,400 To 3,600, Deduct</i>	-1.80	
<i>For >3,600 To 4,800, Deduct</i>	-3.60	
<i>For >4,800 To 6,000, Deduct</i>	-6.68	
<i>For >6,000, Deduct</i>	-9.76	
31 63 36 00-0020 VLF 12 x 12 x 74 LB/FT Steel H-Section Pile Rolled Steel	71.41	
<i>For >2,400 To 3,600, Deduct</i>	-2.07	
<i>For >3,600 To 4,800, Deduct</i>	-4.13	
<i>For >4,800 To 6,000, Deduct</i>	-7.70	
<i>For >6,000, Deduct</i>	-11.27	
31 63 36 00-0021 VLF 12 x 12 x 84 LB/FT Steel H-Section Pile Rolled Steel	79.54	
<i>For >2,400 To 3,600, Deduct</i>	-2.27	
<i>For >3,600 To 4,800, Deduct</i>	-4.54	
<i>For >4,800 To 6,000, Deduct</i>	-8.51	
<i>For >6,000, Deduct</i>	-12.49	
31 63 36 00-0022 VLF 14 x 14 x 73 LB/FT Steel H-Section Pile Rolled Steel	70.87	
<i>For >2,400 To 3,600, Deduct</i>	-2.06	
<i>For >3,600 To 4,800, Deduct</i>	-4.12	
<i>For >4,800 To 6,000, Deduct</i>	-7.66	
<i>For >6,000, Deduct</i>	-11.20	
31 63 36 00-0023 VLF 14 x 14 x 89 LB/FT Steel H-Section Pile Rolled Steel	84.70	
<i>For >2,400 To 3,600, Deduct</i>	-2.40	
<i>For >3,600 To 4,800, Deduct</i>	-4.81	
<i>For >4,800 To 6,000, Deduct</i>	-9.04	
<i>For >6,000, Deduct</i>	-13.28	
31 63 36 00-0024 VLF 14 x 14 x 102 LB/FT Steel H-Section Pile Rolled Steel	95.42	
<i>For >2,400 To 3,600, Deduct</i>	-2.70	
<i>For >3,600 To 4,800, Deduct</i>	-5.39	
<i>For >4,800 To 6,000, Deduct</i>	-10.16	
<i>For >6,000, Deduct</i>	-14.93	
31 63 36 00-0025 VLF 14 x 14 x 117 LB/FT Steel H-Section Pile Rolled Steel	108.44	
<i>For >2,400 To 3,600, Deduct</i>	-3.02	
<i>For >3,600 To 4,800, Deduct</i>	-6.04	
<i>For >4,800 To 6,000, Deduct</i>	-11.47	
<i>For >6,000, Deduct</i>	-16.89	
31 63 36 00-0026 Welded Steel Stud Pins (31 63 36 00-0013)		
Note: Includes welding to steel piles.		
31 63 36 00-0027 EA 5/8" Diameter x 2-1/2" Long, Welded Stud Pins	10.30	
<i>For >50 To 150, Deduct</i>	-0.47	
<i>For >150 To 250, Deduct</i>	-0.96	
<i>For >250 To 500, Deduct</i>	-1.46	
<i>For >500, Deduct</i>	-1.95	
31 63 36 00-0028 EA 5/8" Diameter x 5" Long, Welded Stud Pins.....	11.19	
<i>For >50 To 150, Deduct</i>	-0.47	
<i>For >150 To 250, Deduct</i>	-0.99	
<i>For >250 To 500, Deduct</i>	-1.50	
<i>For >500, Deduct</i>	-2.02	
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Stud Pins.....	12.05	
<i>For >50 To 150, Deduct</i>	-0.47	
<i>For >150 To 250, Deduct</i>	-1.01	
<i>For >250 To 500, Deduct</i>	-1.55	
<i>For >500, Deduct</i>	-2.08	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Stud Pins	11.31	
<i>For >50 To 150, Deduct</i>	-0.50	
<i>For >150 To 250, Deduct</i>	-1.03	
<i>For >250 To 500, Deduct</i>	-1.56	
<i>For >500, Deduct</i>	-2.09	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Stud Pins.....	12.66	
<i>For >50 To 150, Deduct</i>	-0.50	
<i>For >150 To 250, Deduct</i>	-1.06	
<i>For >250 To 500, Deduct</i>	-1.62	
<i>For >500, Deduct</i>	-2.19	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Stud Pins.....	13.61	
<i>For >50 To 150, Deduct</i>	-0.50	
<i>For >150 To 250, Deduct</i>	-1.08	
<i>For >250 To 500, Deduct</i>	-1.67	
<i>For >500, Deduct</i>	-2.26	

31 Earthwork**31 60 Special Foundations And Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Stud Pins.....	12.52	
For >50 To 150, Deduct	-0.52	
For >150 To 250, Deduct	-1.09	
For >250 To 500, Deduct	-1.66	
For >500, Deduct	-2.23	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Stud Pins.....	14.72	
For >50 To 150, Deduct	-0.52	
For >150 To 250, Deduct	-1.14	
For >250 To 500, Deduct	-1.77	
For >500, Deduct	-2.39	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Stud Pins.....	15.79	
For >50 To 150, Deduct	-0.52	
For >150 To 250, Deduct	-1.17	
For >250 To 500, Deduct	-1.82	
For >500, Deduct	-2.47	
31 63 36 00-0036 Concrete Fill ^(31 63 36)		
See CSI section 03 31 13 00-0088 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	31.73	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	35.26	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	38.78	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	42.31	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	45.83	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	49.35	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	58.21	

END OF SECTION 31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 Exterior Improvements

32 01 Operation And Maintenance Of Exterior Improvements ⁽³²⁾

32 01 11 Paving Cleaning ^(32 01)

32 01 11 53 Paint Removal From Paving ^(32 01 11)

32 01 11 53-0001 Remove Pavement Markings ^(32 01 11 53)

Note: Includes vacuuming of removed striped area and containment of debris. Excludes disposal.

32 01 11 53-0002	LF Remove 4" Wide Painted Or Epoxy Pavement Striping.....	1.47
	For Up To 250, Add	0.74
	For >250 To 1,000, Add	0.37
	For >5,000 To 10,000, Deduct	-0.22
	For >10,000 To 25,000, Deduct	-0.37
	For >25,000 To 50,000, Deduct	-0.51
	For >50,000, Deduct	-0.59
32 01 11 53-0003	LF Remove 6" Wide Painted Or Epoxy Pavement Striping.....	1.77
	For Up To 250, Add	0.89
	For >250 To 1,000, Add	0.44
	For >5,000 To 10,000, Deduct	-0.27
	For >10,000 To 25,000, Deduct	-0.44
	For >25,000 To 50,000, Deduct	-0.62
	For >50,000, Deduct	-0.71
32 01 11 53-0004	LF Remove 8" Wide Painted Or Epoxy Pavement Striping.....	2.12
	For Up To 250, Add	1.06
	For >250 To 1,000, Add	0.53
	For >5,000 To 10,000, Deduct	-0.32
	For >10,000 To 25,000, Deduct	-0.53
	For >25,000 To 50,000, Deduct	-0.74
	For >50,000, Deduct	-0.85
32 01 11 53-0005	LF Remove 12" Wide Painted Or Epoxy Pavement Striping.....	2.54
	For Up To 250, Add	1.27
	For >250 To 1,000, Add	0.64
	For >5,000 To 10,000, Deduct	-0.38
	For >10,000 To 25,000, Deduct	-0.64
	For >25,000 To 50,000, Deduct	-0.89
	For >50,000, Deduct	-1.02
32 01 11 53-0006	SF Remove Painted Or Epoxy Pavement Marking, Letters Or Symbols.....	2.54
	For Up To 250, Add	1.27
	For >250 To 1,000, Add	0.64
	For >5,000 To 10,000, Deduct	-0.38
	For >10,000 To 25,000, Deduct	-0.64
	For >25,000 To 50,000, Deduct	-0.89
	For >50,000, Deduct	-1.02

32 01 11 53-0007 Remove Pavement Markings (Monterey County) ^(32 01 11 53)

32 01 11 53-0008	LF Remove Thermoplastic Pavement Stripe	1.16
32 01 11 53-0009	SF Remove Thermoplastic Pavement Marking	4.73

32 01 16 Flexible Paving Rehabilitation ^(32 01)

32 01 16 71 Cold Milling Asphalt Pavement ^(32 01 16)

32 01 16 71-0001 Removal Of Asphalt Surface Course ^(32 01 16 71)

Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas ^(32 01 16 71-0001)

Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 01 16 71-0003	SY Production Cold Milling Of Asphalt Up To 3" Depth.....	3.19
	For Up To 2,500, Add	1.60
	For >2,500 To 5,000, Add	0.80
	For >10,000 To 25,000, Deduct	-0.32
	For >25,000, Deduct	-0.48
32 01 16 71-0004	SY >3" To 6" Depth, Production Cold Milling Of Asphalt	4.24
	For Up To 2,500, Add	2.12
	For >2,500 To 5,000, Add	1.06
	For >10,000 To 25,000, Deduct	-0.42
	For >25,000, Deduct	-0.64
32 01 16 71-0005	SY >6" To 12" Depth, Production Cold Milling Of Asphalt.....	5.65
	For Up To 2,500, Add	2.83
	For >2,500 To 5,000, Add	1.41
	For >10,000 To 25,000, Deduct	-0.57
	For >25,000, Deduct	-0.85

32 01 16 71-0006 Limited Production Cold Milling ^(32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc.

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 16 Flexible Paving Rehabilitation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0007 SY Limited Cold Milling Of Asphalt Up To 3" Depth.....	20.11	
For >100 To 1,000, Deduct	-10.06	
For >1,000, Deduct	-15.08	
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	26.64	
For >100 To 1,000, Deduct	-13.32	
For >1,000, Deduct	-19.98	
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	35.48	
For >100 To 1,000, Deduct	-17.74	
For >1,000, Deduct	-26.61	
32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)		
Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth	5.52	
32 01 16 72 Asphalt Paving Reuse (32 01 16)		
32 01 16 72-0001 Reclamation, Pulverize And Blending With Existing (32 01 16 72)		
Note: Includes direct loading into truck.		
32 01 16 72-0002 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.84	
32 01 16 72-0003 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.41	
32 01 16 72-0004 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.71	
32 01 16 72-0005 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.56	
32 01 16 72-0006 SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.95	
32 01 16 72-0007 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	11.82	
32 01 16 72-0008 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.92	
32 01 16 72-0009 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	2.78	
32 01 16 72-0010 SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	13.01	
32 01 16 72-0011 SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.50	
32 01 16 72-0012 SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.25	
32 01 16 72-0013 SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.00	
32 01 16 72-0014 SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	14.19	
32 01 16 72-0015 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.09	
32 01 16 72-0016 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.55	
32 01 16 72-0017 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.31	
32 01 16 72-0018 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	1,219.12	
32 01 16 72-0019 Rejuvenate, Respread Asphalt Pavement (32 01 16 72)		
Note: Includes direct loading into truck.		
32 01 16 72-0020 SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep.....	8.74	
32 01 16 72-0021 SY Remove, Rejuvenate, Respread Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar.....	10.28	
32 01 16 72-0022 TON Remove, Rejuvenate, Respread Asphalt Grindings.....	137.74	
32 01 16 73 In Place Cold Reused Asphalt Paving (32 01 16)		
32 01 16 73-0001 Cold-In-Place-Full Depth Reclamation With Foam Asphalt (FDR-FA) (32 01 16 73)		
Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA).....	3.36	
For >12" To 18" Depth, Add	1.12	
32 01 16 73-0003 SF >30,000 To 42,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	3.13	
For >12" To 18" Depth, Add	1.06	
32 01 16 73-0004 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.61	
For >12" To 18" Depth, Add	0.90	
32 01 16 73-0005 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	2.21	
For >12" To 18" Depth, Add	0.78	
32 01 16 73-0006 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.97	
For >12" To 18" Depth, Add	0.71	
32 01 16 73-0007 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.81	
For >12" To 18" Depth, Add	0.66	
32 01 16 73-0008 SF >500,000 SF Cold In Place Full Depth Reclamation With Foam Asphalt (FDR-FA)	1.70	
For >12" To 18" Depth, Add	0.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 73-0009 Cold-In-Place-Full Depth Reclamation Process With Cement (FDR-C) <small>(32 01 16 73)</small>		
<small>Note: Includes milling Up To 12" of existing AC surface. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.</small>		
32 01 16 73-0010 SF Up To 30,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	3.58	
<i>For >12" To 18" Depth, Add</i>	1.23	
32 01 16 73-0011 SF >42,000 To 71,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.83	
<i>For >12" To 18" Depth, Add</i>	1.01	
32 01 16 73-0012 SF >71,000 To 130,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.43	
<i>For >12" To 18" Depth, Add</i>	0.89	
32 01 16 73-0013 SF >130,000 To 250,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.19	
<i>For >12" To 18" Depth, Add</i>	0.82	
32 01 16 73-0014 SF >250,000 To 500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	2.03	
<i>For >12" To 18" Depth, Add</i>	0.77	
32 01 16 73-0015 SF >500,000 SF Cold In Place Full Depth Reclamation With Cement (FDR-C).....	1.92	
<i>For >12" To 18" Depth, Add</i>	0.74	
32 01 16 73-0016 Supplemental Aggregate <small>(32 01 16 73)</small>		
32 01 16 73-0017 TON Supplemental Aggregate	42.68	
32 01 16 73-0018 Cold-In-Place Recycling (CALTRAN) <small>(32 01 16 73)</small>		
32 01 16 73-0019 TON Sand Cover (CIPR).....	58.00	
<i>For >500 To 1,000, Deduct</i>	-1.45	
<i>For >1,000 To 2,500, Deduct</i>	-2.90	
<i>For >2,500 To 5,000, Deduct</i>	-4.06	
<i>For >5,000, Deduct</i>	-5.22	
32 01 16 73-0020 SY Cold In Place Recycling (CIPR).....	6.50	
<i>For >10,000 To 25,000, Deduct</i>	-0.65	
<i>For >25,000, Deduct</i>	-0.98	
32 01 16 73-0021 TON Cement (CIPR).....	135.00	
<i>For >500 To 1,000, Deduct</i>	-3.38	
<i>For >1,000 To 2,500, Deduct</i>	-6.75	
<i>For >2,500 To 5,000, Deduct</i>	-9.45	
<i>For >5,000, Deduct</i>	-12.15	
32 01 16 73-0022 TON Emulsified Recycling Agent (CIPR)	610.00	
<i>For >500 To 1,000, Deduct</i>	-15.25	
<i>For >1,000 To 2,500, Deduct</i>	-30.50	
<i>For >2,500 To 5,000, Deduct</i>	-42.70	
<i>For >5,000, Deduct</i>	-54.90	
32 01 16 73-0023 TON Asphaltic Emulsion (CIPR).....	610.00	
<i>For >500 To 1,000, Deduct</i>	-15.25	
<i>For >1,000 To 2,500, Deduct</i>	-30.50	
<i>For >2,500 To 5,000, Deduct</i>	-42.70	
<i>For >5,000, Deduct</i>	-54.90	
32 01 17 Flexible Paving Repair <small>(32 01)</small>		
<small>See CSI section 32 12 16 00-0000 for large area resurfacing.</small>		
32 01 17 61 Sealing Cracks In Asphalt Paving <small>(32 01 17)</small>		
<small>Note: Includes removing loose materials and cleaning.</small>		
32 01 17 61-0001 Asphalt Pavement Crack And Sealing Repair <small>(32 01 17 61)</small>		
<small>Note: Includes sweeping and cleaning of area.</small>		
32 01 17 61-0002 LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.15	
<small>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</small>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.30	
<i>For 1" x 1/2" Fill, Add</i>	0.57	
<i>For Backer Rod, Add</i>	0.66	
32 01 17 61-0003 LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.93	
<small>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</small>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.25	
<i>For 1" x 1/2" Fill, Add</i>	0.47	
<i>For Backer Rod, Add</i>	0.60	
32 01 17 61-0004 LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.74	
<small>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</small>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.20	
<i>For 1" x 1/2" Fill, Add</i>	0.38	
<i>For Backer Rod, Add</i>	0.55	
32 01 17 61-0005 LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.64	
<small>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</small>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.18	
<i>For 1" x 1/2" Fill, Add</i>	0.33	
<i>For Backer Rod, Add</i>	0.52	
32 01 17 61-0006 LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.57	
<small>Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.</small>		
<i>For 3/4" x 1/2" Fill, Add</i>	0.16	
<i>For 1" x 1/2" Fill, Add</i>	0.29	
<i>For Backer Rod, Add</i>	0.49	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 17 Flexible Paving Repair**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0007 LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....0.53 Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
For 3/4" x 1/2" Fill, Add	0.15	
For 1" x 1/2" Fill, Add	0.28	
For Backer Rod, Add	0.48	
32 01 17 61-0008 LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....2.24		
For 3/8" x 1/4" Fill, Add	0.48	
For 1/2" x 1/4" Fill, Add	0.86	
For 1/2" x 1/2" Fill, Add	1.94	
32 01 17 61-0009 LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.80		
For 3/8" x 1/4" Fill, Add	0.39	
For 1/2" x 1/4" Fill, Add	0.71	
For 1/2" x 1/2" Fill, Add	1.60	
32 01 17 61-0010 LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.38		
For 3/8" x 1/4" Fill, Add	0.31	
For 1/2" x 1/4" Fill, Add	0.56	
For 1/2" x 1/2" Fill, Add	1.28	
32 01 17 61-0011 LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.22		
For 3/8" x 1/4" Fill, Add	0.27	
For 1/2" x 1/4" Fill, Add	0.49	
For 1/2" x 1/2" Fill, Add	1.14	
32 01 17 61-0012 LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.10		
For 3/8" x 1/4" Fill, Add	0.24	
For 1/2" x 1/4" Fill, Add	0.44	
For 1/2" x 1/2" Fill, Add	1.01	
32 01 17 61-0013 LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....1.02		
For 3/8" x 1/4" Fill, Add	0.22	
For 1/2" x 1/4" Fill, Add	0.41	
For 1/2" x 1/2" Fill, Add	0.93	
32 01 17 61-0014 LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....0.41		
32 01 17 61-0015 LNMI Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile .....2,738.16 Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		

32 01 17 63 Pavement Repair (32 01 17)**32 01 17 63-0001 Temporary Pot Hole Repair (32 01 17 63)**

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 01 17 63-0002 EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....1,281.30	
32 01 17 63-0003 TON Temporary Pot Hole Repairs With Cold Mix Modified .....387.83 Note: Use for each ton over 3 tons.	
32 01 17 63-0004 EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons.....1,223.13	
32 01 17 63-0005 TON Temporary Pot Hole Repairs With Cold Mix .....368.44 Note: Use for each ton over 3 tons.	
32 01 17 63-0006 EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....1,194.05	
32 01 17 63-0007 TON Temporary Pot Hole Repairs With Hot Mix Modified.....358.75 Note: Use for each ton over 3 tons.	
32 01 17 63-0008 EA Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....1,164.97	
32 01 17 63-0009 TON Temporary Pot Hole Repairs With Hot Mix .....349.06 Note: Use for each ton over 3 tons.	

32 01 17 63-0010 Permanent Pot Hole Repair (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 01 17 63-0011 EA Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....1,303.00	
32 01 17 63-0012 TON Permanent Pot Hole Repairs With Cold Mix .....423.76 Note: Use for each ton over 3 tons.	
32 01 17 63-0013 EA Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....1,273.92	
32 01 17 63-0014 TON Permanent Pot Hole Repairs With Hot Mix Modified.....414.07 Note: Use for each ton over 3 tons.	
32 01 17 63-0015 EA Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons .....1,244.84	
32 01 17 63-0016 TON Permanent Pot Hole Repairs With Hot Mix .....404.38 Note: Use for each ton over 3 tons.	

32 01 17 63-0017 Asphalt Placement For Small Repairs (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, and compaction. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0046 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018 EA Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons .....1,747.23 Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0019 TON Asphalt Placement For Small Repair Areas, Cold Mix Modified.....245.82 Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0020 EA Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,689.06	
32 01 17 63-0021 TON Asphalt Placement For Small Repair Areas, Cold Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	226.43	
32 01 17 63-0022 EA Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,659.98	
32 01 17 63-0023 TON Asphalt Placement For Small Repair Areas, Hot Mix Modified Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	216.74	
32 01 17 63-0024 EA Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	1,630.90	
32 01 17 63-0025 TON Asphalt Placement For Small Repair Areas, Hot Mix Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	207.05	
32 01 17 63-0026 Grind Asphalt <small>(32 01 17 63)</small>		
32 01 17 63-0027 SY Grinding Asphalt To Level Bump Or Raised Area	17.02	
32 01 26 Rigid Paving Rehabilitation <small>(32 01)</small>		
32 01 26 71 Grooving Of Concrete Paving <small>(32 01 26)</small>		
32 01 26 71-0001 Roadway Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0002 SY Pavement Grooving, Concrete, Longitudinal	0.92	
32 01 26 71-0003 SY Pavement Grooving, Concrete, Transverse	0.68	
32 01 26 71-0004 Rumble Strips <small>(32 01 26 71)</small>		
32 01 26 71-0005 LF Safe-Strips Shoulder Rumble Strips, Asphalt	0.28	
32 01 26 71-0006 LF Safe-Strips Shoulder Rumble Strips, Concrete	0.68	
32 01 26 71-0007 Boat Ramps Grooving <small>(32 01 26 71)</small>		
32 01 26 71-0008 SY Concrete Grooving, Boat Ramps	1.46	
32 01 90 Operation And Maintenance Of Planting <small>(32 01)</small>		
<small>Note: These tasks are to be used as requested by the owner to maintain existing conditions.</small>		
32 01 90 13 Fertilizing <small>(32 01 90)</small>		
32 01 90 13-0001 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular)	11.74	
32 01 90 13-0002 MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid)	8.53	
32 01 90 13-0003 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular)	9.34	
32 01 90 13-0004 MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid)	7.66	
32 01 90 19 Mowing <small>(32 01 90)</small>		
32 01 90 19-0001 ACR Grass Cutting By Bush Hog	137.00	
<small>Note: Includes normal debris removal, cutting, and trimming.</small>		
<small>For <1 Acre, Add</small>		
		34.25
32 01 90 23 Pruning <small>(32 01 90)</small>		

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 01 90 23-0001	Tree Pruning <small>(32 01 90 23)</small>		
	Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture) 1. CROWN CLEANING - Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown. 2. CROWN THINNING - Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch. 3. CROWN RAISING - Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown. 4. CROWN REDUCTION - Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made. 5. CROWN RESTORATION - Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0002	EA Tree Pruning (Crown Cleaning), 1-1/2" Caliper.....	24.38	
	For Crown Thinning, Tree Pruning, Add	5.49	
	For Crown Raising, Pruning, Add	8.53	
	For Crown Reduction, Tree Pruning, Add	10.97	
	For Crown Restoration, Pruning, Add	16.25	
32 01 90 23-0003	EA Tree Pruning (Crown Cleaning), 2" Caliper.....	27.87	
	For Crown Thinning, Tree Pruning, Add	6.27	
	For Crown Raising, Pruning, Add	9.75	
	For Crown Reduction, Tree Pruning, Add	12.54	
	For Crown Restoration, Pruning, Add	18.58	
32 01 90 23-0004	EA Tree Pruning (Crown Cleaning), 2-1/2" Caliper.....	31.35	
	For Crown Thinning, Tree Pruning, Add	7.05	
	For Crown Raising, Pruning, Add	10.97	
	For Crown Reduction, Tree Pruning, Add	14.11	
	For Crown Restoration, Pruning, Add	20.90	
32 01 90 23-0005	EA Tree Pruning (Crown Cleaning), 3" Caliper.....	34.83	
	For Crown Thinning, Tree Pruning, Add	7.84	
	For Crown Raising, Pruning, Add	12.19	
	For Crown Reduction, Tree Pruning, Add	15.67	
	For Crown Restoration, Pruning, Add	23.22	
32 01 90 23-0006	EA Tree Pruning (Crown Cleaning), 4" Caliper, By Hand.....	52.93	
	For Crown Thinning, Tree Pruning, Add	11.91	
	For Crown Raising, Pruning, Add	18.53	
	For Crown Reduction, Tree Pruning, Add	23.82	
	For Crown Restoration, Pruning, Add	35.29	
32 01 90 23-0007	EA Tree Pruning (Crown Cleaning), 4" Caliper, Aerial Lift Equipment.....	86.64	
	For Crown Thinning, Tree Pruning, Add	19.49	
	For Crown Raising, Pruning, Add	30.32	
	For Crown Reduction, Tree Pruning, Add	38.99	
	For Crown Restoration, Pruning, Add	57.76	
32 01 90 23-0008	EA Tree Pruning (Crown Cleaning), 6" Caliper, By Hand.....	92.64	
	For Crown Thinning, Tree Pruning, Add	20.84	
	For Crown Raising, Pruning, Add	32.42	
	For Crown Reduction, Tree Pruning, Add	41.69	
	For Crown Restoration, Pruning, Add	61.76	
32 01 90 23-0009	EA Tree Pruning (Crown Cleaning), 6" Caliper, Aerial Lift Equipment.....	165.01	
	For Crown Thinning, Tree Pruning, Add	37.13	
	For Crown Raising, Pruning, Add	57.75	
	For Crown Reduction, Tree Pruning, Add	74.25	
	For Crown Restoration, Pruning, Add	110.01	
32 01 90 23-0010	EA Tree Pruning (Crown Cleaning), 9" Caliper, By Hand.....	148.35	
	For Crown Thinning, Tree Pruning, Add	33.38	
	For Crown Raising, Pruning, Add	51.92	
	For Crown Reduction, Tree Pruning, Add	66.76	
	For Crown Restoration, Pruning, Add	98.90	
32 01 90 23-0011	EA Tree Pruning (Crown Cleaning), 9" Caliper, Aerial Lift Equipment.....	263.97	
	For Crown Thinning, Tree Pruning, Add	59.39	
	For Crown Raising, Pruning, Add	92.39	
	For Crown Reduction, Tree Pruning, Add	118.79	
	For Crown Restoration, Pruning, Add	175.99	
32 01 90 23-0012	EA Tree Pruning (Crown Cleaning), 12" Caliper, By Hand.....	171.42	
	For Crown Thinning, Tree Pruning, Add	38.57	
	For Crown Raising, Pruning, Add	60.00	
	For Crown Reduction, Tree Pruning, Add	77.14	
	For Crown Restoration, Pruning, Add	114.29	
32 01 90 23-0013	EA Tree Pruning (Crown Cleaning), 12" Caliper, Aerial Lift Equipment.....	305.25	
	For Crown Thinning, Tree Pruning, Add	68.68	
	For Crown Raising, Pruning, Add	106.84	
	For Crown Reduction, Tree Pruning, Add	137.36	
	For Crown Restoration, Pruning, Add	203.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0014 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand.....	199.27	
<i>For Crown Thinning, Tree Pruning, Add</i>	44.84	
<i>For Crown Raising, Pruning, Add</i>	69.74	
<i>For Crown Reduction, Tree Pruning, Add</i>	89.67	
<i>For Crown Restoration, Pruning, Add</i>	132.85	
32 01 90 23-0015 EA Tree Pruning (Crown Cleaning), 18" Caliper By Hand, Aerial Lift Equipment.....	354.76	
<i>For Crown Thinning, Tree Pruning, Add</i>	79.82	
<i>For Crown Raising, Pruning, Add</i>	124.17	
<i>For Crown Reduction, Tree Pruning, Add</i>	159.64	
<i>For Crown Restoration, Pruning, Add</i>	236.52	
32 01 90 23-0016 EA Tree Pruning (Crown Cleaning), 24" Caliper, By Hand.....	242.56	
<i>For Crown Thinning, Tree Pruning, Add</i>	54.58	
<i>For Crown Raising, Pruning, Add</i>	84.90	
<i>For Crown Reduction, Tree Pruning, Add</i>	109.15	
<i>For Crown Restoration, Pruning, Add</i>	161.71	
32 01 90 23-0017 EA Tree Pruning (Crown Cleaning), 24" Caliper, Aerial Lift Equipment.....	429.08	
<i>For Crown Thinning, Tree Pruning, Add</i>	96.54	
<i>For Crown Raising, Pruning, Add</i>	150.18	
<i>For Crown Reduction, Tree Pruning, Add</i>	193.09	
<i>For Crown Restoration, Pruning, Add</i>	286.07	
32 01 90 23-0018 EA Tree Pruning (Crown Cleaning), 30" Caliper, By Hand.....	301.31	
<i>For Crown Thinning, Tree Pruning, Add</i>	67.79	
<i>For Crown Raising, Pruning, Add</i>	105.46	
<i>For Crown Reduction, Tree Pruning, Add</i>	135.59	
<i>For Crown Restoration, Pruning, Add</i>	200.88	
32 01 90 23-0019 EA Tree Pruning (Crown Cleaning), 30" Caliper, Aerial Lift Equipment.....	540.77	
<i>For Crown Thinning, Tree Pruning, Add</i>	121.67	
<i>For Crown Raising, Pruning, Add</i>	189.27	
<i>For Crown Reduction, Tree Pruning, Add</i>	243.35	
<i>For Crown Restoration, Pruning, Add</i>	360.53	
32 01 90 23-0020 EA Tree Pruning (Crown Cleaning), 36" Caliper, By Hand.....	412.70	
<i>For Crown Thinning, Tree Pruning, Add</i>	92.86	
<i>For Crown Raising, Pruning, Add</i>	144.45	
<i>For Crown Reduction, Tree Pruning, Add</i>	185.72	
<i>For Crown Restoration, Pruning, Add</i>	275.15	
32 01 90 23-0021 EA Tree Pruning (Crown Cleaning), 36" Caliper, Aerial Lift Equipment.....	732.93	
<i>For Crown Thinning, Tree Pruning, Add</i>	164.91	
<i>For Crown Raising, Pruning, Add</i>	256.53	
<i>For Crown Reduction, Tree Pruning, Add</i>	329.82	
<i>For Crown Restoration, Pruning, Add</i>	488.64	
32 01 90 23-0022 EA Tree Pruning (Crown Cleaning), 48" Caliper, By Hand.....	654.74	
<i>For Crown Thinning, Tree Pruning, Add</i>	147.32	
<i>For Crown Raising, Pruning, Add</i>	229.16	
<i>For Crown Reduction, Tree Pruning, Add</i>	294.63	
<i>For Crown Restoration, Pruning, Add</i>	436.52	
32 01 90 23-0023 EA Tree Pruning (Crown Cleaning), 48" Caliper, Aerial Lift Equipment.....	1,178.67	
<i>For Crown Thinning, Tree Pruning, Add</i>	265.20	
<i>For Crown Raising, Pruning, Add</i>	412.53	
<i>For Crown Reduction, Tree Pruning, Add</i>	530.40	
<i>For Crown Restoration, Pruning, Add</i>	785.82	
32 01 90 23-0024 EA Trim Mexican Palm Tree.....	73.86	
32 01 90 23-0025 EA Trim Date Palm Tree.....	166.66	
32 01 90 23-0026 LF Skin Palm Tree.....	18.94	
32 01 90 23-0027 Shrub Pruning <small>(32 01 90 23)</small>		
32 01 90 23-0028 MSF Shrub Pruning, Prune, Shrub Bed.....	79.38	
32 01 90 23-0029 EA Shrub Pruning, Prune, Shrub Under 3' Height.....	2.78	
32 01 90 23-0030 EA Shrub Pruning, Prune, Shrub 4' Height.....	6.27	
32 01 90 23-0031 EA Shrub Pruning, Prune, Shrub Over 6'.....	11.14	
32 01 90 23-0032 EA Shrub Pruning, Prune Trees From Ground.....	27.87	
32 01 90 23-0033 EA Shrub Pruning, Prune Trees From Ground, High Work.....	69.67	
32 01 90 23-0034 Root Pruning <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0035 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree.....	13.93	
32 01 90 23-0036 EA Root Pruning, One Side Of 2" Caliper Tree.....	17.41	
32 01 90 23-0037 EA Root Pruning, One Side Of 2-1/2" Caliper Tree.....	20.90	
32 01 90 23-0038 EA Root Pruning, One Side Of 3" Caliper Tree.....	27.87	
32 01 90 23-0039 EA Root Pruning, One Side Of 4" Caliper Tree.....	41.80	
32 01 90 23-0040 EA Root Pruning, One Side Of 6" Caliper Tree.....	52.25	
32 01 90 23-0041 EA Root Pruning, One Side Of 9" Caliper Tree.....	73.15	
32 01 90 23-0042 EA Root Pruning, One Side Of 12" Caliper Tree.....	83.60	
32 01 90 23-0043 EA Root Pruning, One Side Of 18" Caliper Tree.....	97.53	
32 01 90 23-0044 EA Root Pruning, One Side Of 24" Caliper Tree.....	121.91	
32 01 90 23-0045 EA Root Pruning, One Side Of 30" Caliper Tree.....	149.78	
32 01 90 23-0046 EA Root Pruning, One Side Of 36" Caliper Tree.....	174.16	
32 01 90 23-0047 EA Root Pruning, One Side Of 48" Caliper Tree.....	208.99	

32 Exterior Improvements**32 01 Operation And Maintenance Of Exterior Improvements****32 01 90 Operation And Maintenance Of Planting**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**32 01 90 26 Watering** (32 01 90)

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees (32 01 90 26)

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	28.17
32 01 90 26-0003	CSF	Watering Groundcover	4.57
32 01 90 26-0004	CSF	Watering Annuals And Perennials	8.40
32 01 90 26-0005	EA	Watering Trees, 1" To 5" Diameter By Hand.....	8.47
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand.....	11.32
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand.....	14.31
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand.....	16.98
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	7.41

32 01 90 36 Weed And Brush Control (32 01 90)

32 01 90 36-0001	MSF	Non-Selective Post Emergent Weed Herbicide	6.33
		For >45 To 90, Deduct	-0.29
		For >90 To 225, Deduct	-0.90
		For >225, Deduct	-1.48
32 01 90 36-0002	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide.....	6.75
		For >45 To 90, Deduct	-0.29
		For >90 To 225, Deduct	-0.92
		For >225, Deduct	-1.50
32 01 90 36-0003	MSF	Selective Weed Herbicide.....	6.63
		Note: Includes pre and post emergent.	
		For >45 To 90, Deduct	-0.29
		For >90 To 225, Deduct	-0.91
		For >225, Deduct	-1.50
32 01 90 36-0004	MSF	Selective Woody Brush And Tree Herbicide	6.86
		Note: Includes pre and post emergents.	
		For >45 To 90, Deduct	-0.29
		For >90 To 225, Deduct	-0.93
		For >225, Deduct	-1.51

32 01 90 39 Pesticides (32 01 90)

32 01 90 39-0001	MSF	Pesticide - Surface Eating.....	8.89
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating.....	8.93
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	9.66

32 01 90 43 Weed And Cultivate Beds (32 01 90)

32 01 90 43-0001	MSF	Weed Mulched Bed.....	34.15
32 01 90 43-0002	MSF	Weed Unmulched Bed	97.58
32 01 90 43-0003	MSF	Cultivate Bed.....	52.54

32 01 90 46 Hedge Trimming (32 01 90)

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	4.51
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	6.76
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide.....	10.24
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide.....	10.43

32 01 90 49 Turf And Fence Spray (32 01 90)

32 01 90 49-0001	ACR	Turf Spray, Machine.....	311.47
32 01 90 49-0002	CLF	Fence Spray, Hand.....	40.23

32 01 90 53 Plant Growth Regulator Application (32 01 90)

32 01 90 53-0001	EA	Plant Growth Regulator Application	5.04
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32 10 Bases, Ballasts, And Paving (32)**32 11 Base Courses** (32 10)**32 11 16 Subbase Courses** (32 11)**32 11 16 16 Aggregate Subbase Courses** (32 11 16)**32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas** (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)

32 11 16 16-0003	CY	Graded Crushed Aggregate Roadway Base Course	55.70
		For Limestone, Deduct	-2.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0004 CY Class II Base Course.....	61.26	
32 11 16 16-0005 CY Class III Base Course.....	62.17	
32 11 16 16-0006 CY Recycled Base Course.....	42.05	
32 11 16 16-0007 Class II Base Courses By The SY (32 11 16 16-0001)		
32 11 16 16-0008 SY 2" Class II Crushed Aggregate Base Course.....	3.10	
<i>For Limestone, Deduct</i>	-0.17	
<i>For Up To 500, Add</i>	0.84	
<i>For >500 To 1,000, Add</i>	0.31	
<i>For >5,000 To 10,000, Deduct</i>	-0.12	
<i>For >10,000, Deduct</i>	-0.20	
32 11 16 16-0009 SY 4" Class II Crushed Aggregate Base Course.....	5.91	
<i>For Limestone, Deduct</i>	-0.27	
<i>For Up To 500, Add</i>	1.62	
<i>For >500 To 1,000, Add</i>	0.59	
<i>For >5,000 To 10,000, Deduct</i>	-0.22	
<i>For >10,000, Deduct</i>	-0.38	
32 11 16 16-0010 SY 6" Class II Crushed Aggregate Base Course.....	9.16	
<i>For Limestone, Deduct</i>	-0.47	
<i>For Up To 500, Add</i>	2.49	
<i>For >500 To 1,000, Add</i>	0.92	
<i>For >5,000 To 10,000, Deduct</i>	-0.35	
<i>For >10,000, Deduct</i>	-0.60	
32 11 16 16-0011 SY 9" Class II Crushed Aggregate Base Course.....	13.43	
<i>For Limestone, Deduct</i>	-0.65	
<i>For Up To 500, Add</i>	3.67	
<i>For >500 To 1,000, Add</i>	1.34	
<i>For >5,000 To 10,000, Deduct</i>	-0.51	
<i>For >10,000, Deduct</i>	-0.87	
32 11 16 16-0012 SY 12" Class II Crushed Aggregate Base Course.....	18.54	
<i>For Limestone, Deduct</i>	-0.98	
<i>For Up To 500, Add</i>	5.03	
<i>For >500 To 1,000, Add</i>	1.85	
<i>For >5,000 To 10,000, Deduct</i>	-0.70	
<i>For >10,000, Deduct</i>	-1.21	
32 11 23 Aggregate Base Courses (32 11)		
32 11 23 16 Aggregate Base Courses (32 11 23)		
32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)		
Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 11 23 16-0002 SF 2" Crushed Aggregate Base Course.....	0.41	
<i>For Up To 1,000, Add</i>	0.11	
<i>For >1,000 To 2,500, Add</i>	0.04	
32 11 23 16-0003 SF 3" Crushed Aggregate Base Course.....	0.58	
<i>For Up To 1,000, Add</i>	0.16	
<i>For >1,000 To 2,500, Add</i>	0.06	
32 11 23 16-0004 SF 4" Crushed Aggregate Base Course.....	0.76	
<i>For Up To 1,000, Add</i>	0.21	
<i>For >1,000 To 2,500, Add</i>	0.08	
32 11 23 16-0005 SF 5" Crushed Aggregate Base Course.....	0.98	
<i>For Up To 1,000, Add</i>	0.28	
<i>For >1,000 To 2,500, Add</i>	0.10	
32 11 23 16-0006 SF 6" Crushed Aggregate Base Course.....	1.19	
<i>For Up To 1,000, Add</i>	0.33	
<i>For >1,000 To 2,500, Add</i>	0.12	
32 11 23 16-0007 SF 7" Crushed Aggregate Base Course.....	1.37	
<i>For Up To 1,000, Add</i>	0.39	
<i>For >1,000 To 2,500, Add</i>	0.14	
32 11 23 16-0008 SF 8" Crushed Aggregate Base Course.....	1.57	
<i>For Up To 1,000, Add</i>	0.44	
<i>For >1,000 To 2,500, Add</i>	0.16	
32 11 26 Asphaltic Base Courses (32 11)		
32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)		
32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)		
32 11 26 19-0002 CY Bituminous Stabilized Base Course.....	75.98	
Note: 3/4" ASTM C33.		
32 12 Flexible Paving (32 10)		
32 12 13 Preparatory Coats (32 12)		
32 12 13 13 Tack Coats (32 12 13)		
32 12 13 13-0001 TON Tack Coat (Monterey County).....	956.33	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 13 19 Prime Coats (32 12 13)

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY.....	1.01
		<i>For Up To 150, Add</i>	0.22
		<i>For >150 To 300, Add</i>	0.10
		<i>For >300 To 500, Add</i>	0.05
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.07
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY.....	1.07
		<i>For Up To 150, Add</i>	0.24
		<i>For >150 To 300, Add</i>	0.11
		<i>For >300 To 500, Add</i>	0.05
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.07
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY.....	1.12
		<i>For Up To 150, Add</i>	0.25
		<i>For >150 To 300, Add</i>	0.11
		<i>For >300 To 500, Add</i>	0.06
		<i>For >3,500 To 5,000, Deduct</i>	-0.03
		<i>For >5,000, Deduct</i>	-0.08

32 12 16 Asphalt Paving (32 12)

32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) (32 12 16 13)

Note: Meets Caltrans requirements.

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Course 3,954 LB/CY	105.86
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	
		<i>For PG64-10 Asphalt, Add</i>	12.75
		<i>For >500 To 1,000, Deduct</i>	-4.59
		<i>For >1,000 To 2,500, Deduct</i>	-8.33
		<i>For >2,500 To 5,000, Deduct</i>	-12.91
		<i>For >5,000, Deduct</i>	-18.52
32 12 16 13-0003	SY	1" Thick Binder Course	6.17
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	0.70
		<i>For >10,000 To 20,000, Deduct</i>	-0.26
		<i>For >20,000 To 50,000, Deduct</i>	-0.48
		<i>For >50,000 To 100,000, Deduct</i>	-0.74
		<i>For >100,000, Deduct</i>	-1.07
32 12 16 13-0004	SY	1-1/2" Thick Binder Course	9.10
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	1.05
		<i>For >7,000 To 14,000, Deduct</i>	-0.39
		<i>For >14,000 To 32,000, Deduct</i>	-0.71
		<i>For >32,000 To 64,000, Deduct</i>	-1.11
		<i>For >64,000, Deduct</i>	-1.59
32 12 16 13-0005	SY	2" Thick Binder Course	12.01
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	1.40
		<i>For >5,000 To 10,000, Deduct</i>	-0.52
		<i>For >10,000 To 24,000, Deduct</i>	-0.95
		<i>For >24,000 To 48,000, Deduct</i>	-1.47
		<i>For >48,000, Deduct</i>	-2.11
32 12 16 13-0006	SY	2-1/2" Thick Binder Course	14.56
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	1.75
		<i>For >4,000 To 8,000, Deduct</i>	-0.64
		<i>For >8,000 To 20,000, Deduct</i>	-1.17
		<i>For >20,000 To 40,000, Deduct</i>	-1.81
		<i>For >40,000, Deduct</i>	-2.59
32 12 16 13-0007	SY	3" Thick Binder Course	17.13
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	2.10
		<i>For >3,000 To 6,000, Deduct</i>	-0.76
		<i>For >6,000 To 16,000, Deduct</i>	-1.39
		<i>For >16,000 To 32,000, Deduct</i>	-2.15
		<i>For >32,000, Deduct</i>	-3.08
32 12 16 13-0008	SY	3-1/2" Thick Binder Course	19.95
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	2.45
		<i>For >2,800 To 5,600, Deduct</i>	-0.89
		<i>For >5,600 To 14,000, Deduct</i>	-1.62
		<i>For >14,000 To 28,000, Deduct</i>	-2.50
		<i>For >28,000, Deduct</i>	-3.59
32 12 16 13-0009	SY	4" Thick Binder Course	22.84
		Note: Includes placement, rolling, finishing and sweeping.	
		<i>For PG64-10 Asphalt, Add</i>	2.80
		<i>For >2,500 To 5,000, Deduct</i>	-1.02
		<i>For >5,000 To 12,000, Deduct</i>	-1.85
		<i>For >12,000 To 24,000, Deduct</i>	-2.86
		<i>For >24,000, Deduct</i>	-4.11



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Flexible Paving	32 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0010 SY 5" Thick Binder Course	28.52	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	3.50	
For >2,000 To 3,900, Deduct	-1.27	
For >3,900 To 10,000, Deduct	-2.31	
For >10,000 To 20,000, Deduct	-3.58	
For >20,000, Deduct	-5.13	
32 12 16 13-0011 SY 6" Thick Binder Course	34.25	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	4.20	
For >1,600 To 3,200, Deduct	-1.53	
For >3,200 To 8,000, Deduct	-2.77	
For >8,000 To 16,000, Deduct	-4.30	
For >16,000, Deduct	-6.16	
32 12 16 13-0012 Surface Courses, Hot Mix Asphalt (HMA) (32 12 16 13)		
Note: Meets Caltran requirements.		
32 12 16 13-0013 TON Bituminous Hot Mix Surface Course 3954 LB/CY	111.06	
Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
For PG64-10 Asphalt, Add	6.38	
For >500 To 1,000, Deduct	-4.67	
For >1,000 To 2,500, Deduct	-8.50	
For >2,500 To 5,000, Deduct	-13.17	
For >5,000, Deduct	-18.90	
32 12 16 13-0014 TON Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	123.05	
Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
For Warm Mix Additive, Add	6.02	
32 12 16 13-0015 TON Asphalt Rubberized Hot Mix (ARHM) Surface Course	131.55	
Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
For Warm Mix Additive, Add	6.57	
32 12 16 13-0016 SY 1" Thick Surface Course	6.35	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.33	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000 To 50,000, Deduct	-0.48	
For >50,000 To 100,000, Deduct	-0.74	
For >100,000, Deduct	-1.06	
32 12 16 13-0017 SY 1-1/2" Thick Surface Course	9.31	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.50	
For >7,000 To 14,000, Deduct	-0.39	
For >14,000 To 32,000, Deduct	-0.71	
For >32,000 To 64,000, Deduct	-1.09	
For >64,000, Deduct	-1.57	
32 12 16 13-0018 SY 2" Thick Surface Course	12.25	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.67	
For >5,000 To 10,000, Deduct	-0.51	
For >10,000 To 24,000, Deduct	-0.94	
For >24,000 To 48,000, Deduct	-1.45	
For >48,000, Deduct	-2.08	
32 12 16 13-0019 SY 2-1/2" Thick Surface Course	14.75	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.84	
For >4,000 To 8,000, Deduct	-0.63	
For >8,000 To 20,000, Deduct	-1.15	
For >20,000 To 40,000, Deduct	-1.78	
For >40,000, Deduct	-2.55	
32 12 16 13-0020 SY 3" Thick Surface Course	17.28	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	1.00	
For >3,000 To 6,000, Deduct	-0.75	
For >6,000 To 16,000, Deduct	-1.36	
For >16,000 To 32,000, Deduct	-2.11	
For >32,000, Deduct	-3.03	
32 12 16 13-0021 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	50.75	
32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)		
32 12 16 13-0023 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY	258.99	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
32 12 16 19 Cold-Mix Asphalt Paving (32 12 16)		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement (32 12 16 19)		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	9.76	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	9.52	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	15.63	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 12	Flexible Paving



MINOR
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TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 12 16 39 Fabrics (32 12 16)

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001	SY	3.6 Oz/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	0.81
		<i>For Up To 50, Add</i>	0.20
		<i>For >50 To 150, Add</i>	0.14
		<i>For >150 To 250, Add</i>	0.09
		<i>For >250 To 500, Add</i>	0.05
32 12 16 39-0002	SY	4.1 Oz/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	0.86
		<i>For Up To 50, Add</i>	0.21
		<i>For >50 To 150, Add</i>	0.15
		<i>For >150 To 250, Add</i>	0.10
		<i>For >250 To 500, Add</i>	0.05

32 12 16 43 Waterproofing Membranes (32 12 16)

32 12 16 43-0001		Waterproofing Membranes <small>(32 12 16 43)</small>	
32 12 16 43-0002	SY	Up To 500 SY, Prefomed Rubberized Asphalt Membrane	27.32
32 12 16 43-0003	SY	>500 To 1,000 SY, Prefomed Rubberized Asphalt Membrane	20.43
32 12 16 43-0004	SY	>1,000 SY, Prefomed Rubberized Asphalt Membrane	12.62

32 12 33 Flexible Paving Surface Treatments (32 12)

32 12 33 00-0001		Bituminous Surface Treatment For Roadways <small>(32 12 33)</small>	
		Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.	
32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.34
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	4.21
32 12 33 00-0004		Bituminous Surface Treatment For Trails <small>(32 12 33)</small>	
		Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.	
32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.61

32 12 36 Seal Coats (32 12)

32 12 36 00-0001		Asphalt Seal Coating, For Roads And Parking Lot <small>(32 12 36)</small>	
		Note: Includes sweeping and cleaning of area.	
32 12 36 00-0002	SY	Asphalt Seal Coating Minimum	355.17
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 12 36 00-0003	SY	Type O Asphalt Seal Coating, No Aggregate	1.04
32 12 36 00-0004	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating	3.97
		Note: 1/8" thick.	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65
32 12 36 00-0005	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating	2.98
		Note: 1/8" thick.	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65
32 12 36 00-0006	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating	2.29
		Note: 1/8" thick.	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65
32 12 36 00-0007	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating	1.80
		Note: 1/8" thick.	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65
32 12 36 00-0008	SY	>20,000 SY, Type I Slurry Seal Asphalt Coating	1.41
		Note: 1/8" thick.	
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.51
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.65
32 12 36 00-0009	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating	5.64
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.42
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.53
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.42
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44
32 12 36 00-0010	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating	4.54
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		<i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i>	0.36
		<i>For Rubberized Polymer Modified Emulsion (RPME), Add</i>	0.47
		<i>For Latex Modified Asphalt Emulsion, Add</i>	0.36
		<i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i>	0.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0011 SY >1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	3.63 0.30 0.40 0.30 0.44	
32 12 36 00-0012 SY >5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	2.93 0.26 0.34 0.26 0.44	
32 12 36 00-0013 SY >20,000 SY, Type II Slurry Seal Asphalt Coating Note: 1/4" thick, 14 to 18 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	2.45 0.22 0.30 0.22 0.44	
32 12 36 00-0014 SY Up To 500 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	6.50 0.49 0.61 0.49 0.44	
32 12 36 00-0015 SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	5.35 0.43 0.56 0.43 0.44	
32 12 36 00-0016 SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	4.21 0.35 0.47 0.35 0.44	
32 12 36 00-0017 SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	3.41 0.30 0.40 0.30 0.44	
32 12 36 00-0018 SY >20,000 SY, Type III Slurry Seal Asphalt Coating Note: 3/8" thick, 25 to 30 Lbs/SY. For Rubberized Emulsion Aggregate Slurry (REAS), Add For Rubberized Polymer Modified Emulsion (RPME), Add For Latex Modified Asphalt Emulsion, Add For Tire Rubber Modified Slurry Seal (TRMSS), Add	2.87 0.26 0.35 0.26 0.44	
32 12 36 00-0019 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	5.30	
32 12 36 00-0020 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	4.42	
32 12 36 00-0021 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	3.54	
32 12 36 00-0022 SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.90	
32 12 36 00-0023 SY >20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	2.45	
32 12 36 00-0024 SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	6.08	
32 12 36 00-0025 SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	5.20	
32 12 36 00-0026 SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	4.24	
32 12 36 00-0027 SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.53	
32 12 36 00-0028 SY >20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	3.01	
32 12 36 00-0029 Water Based Emulsion Sealer <small>(32 12 36)</small> Note: Includes sweeping and cleaning of area.		
32 12 36 00-0030 SY Up To 500 SY Water Based Emulsion Sealer, For Asphalt, First Coat For Additional Coats, Add	3.23 1.77	
32 12 36 00-0031 SY >500 To 1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat For Additional Coats, Add	2.61 1.43	
32 12 36 00-0032 SY >1,000 SY Water Based Emulsion Sealer, For Asphalt, First Coat For Additional Coats, Add	1.98 1.08	
32 12 36 00-0033 Sand Sealer <small>(32 12 36)</small> Note: To be added to Slurry Seal.		
32 12 36 00-0034 SY Up To 200 SY Sand Seal Spray Applied Asphalt Emulsion	2.29	
32 12 36 00-0035 SY >200 To 500 SY Sand Seal Spray Applied Asphalt Emulsion	1.73	
32 12 36 00-0036 SY >500 To 1,100 SY Sand Seal Spray Applied Asphalt Emulsion	1.53	
32 12 36 00-0037 SY >1,100 To 4,400 SY Sand Seal Spray Applied Asphalt Emulsion	1.16	
32 12 36 00-0038 SY >4,400 To 7,800 SY Sand Seal Spray Applied Asphalt Emulsion	1.06	
32 12 36 00-0039 SY >7,800 To 16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.97	
32 12 36 00-0040 SY >16,700 SY Sand Seal Spray Applied Asphalt Emulsion	0.90	
32 12 36 00-0041 Asphalt Emulsion Sealers (Chip Seal) <small>(32 12 36)</small>		
32 12 36 00-0042 Fine Screenings Seal Coat <small>(32 12 36 00-0041)</small> Note: 12 to 20 # Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 12 Flexible Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 00-0043 SY Up To 200 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.78	
32 12 36 00-0044 SY >200 To 500 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.15	
32 12 36 00-0045 SY >500 To 1,100 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.93	
32 12 36 00-0046 SY >1,100 To 4,400 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.55	
32 12 36 00-0047 SY >4,400 To 7,800 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.43	
32 12 36 00-0048 SY >7,800 To 16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.32	
32 12 36 00-0049 SY >16,700 SY Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.24	
32 12 36 00-0050 Medium Fine Screenings Seal Coat (32 12 36 00-0041) Note: 16 to 25 # Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 00-0051 SY Up To 200 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.11	
32 12 36 00-0052 SY >200 To 500 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.44	
32 12 36 00-0053 SY >500 To 1,100 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.21	
32 12 36 00-0054 SY >1,100 To 4,400 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.81	
32 12 36 00-0055 SY >4,400 To 7,800 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.68	
32 12 36 00-0056 SY >7,800 To 16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.57	
32 12 36 00-0057 SY >16,700 SY Medium Fine Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.48	
32 12 36 00-0058 Medium Screenings Seal Coat (32 12 36 00-0041) Note: 20 to 30 # Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0059 SY Up To 200 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.22	
32 12 36 00-0060 SY >200 To 500 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.54	
32 12 36 00-0061 SY >500 To 1,100 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.30	
32 12 36 00-0062 SY >1,100 To 4,400 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.90	
32 12 36 00-0063 SY >4,400 To 7,800 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.76	
32 12 36 00-0064 SY >7,800 To 16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.65	
32 12 36 00-0065 SY >16,700 SY Medium Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.56	
32 12 36 00-0066 Course Screenings Seal Coat (32 12 36 00-0041) Note: 23 to 30 # Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 00-0067 SY Up To 200 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.30	
32 12 36 00-0068 SY >200 To 500 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.61	
32 12 36 00-0069 SY >500 To 1,100 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.37	
32 12 36 00-0070 SY >1,100 To 4,400 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.96	
32 12 36 00-0071 SY >4,400 To 7,800 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.83	
32 12 36 00-0072 SY >7,800 To 16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.71	
32 12 36 00-0073 SY >16,700 SY Coarse Screenings Asphalt Emulsion Seal Coat Spray Applied.....	1.61	
32 12 36 00-0074 Double Screenings Seal Coat (32 12 36 00-0041) Note: First coat 23 to 30 # Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 # Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 00-0075 SY Up To 200 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	5.05	
32 12 36 00-0076 SY >200 To 500 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	4.01	
32 12 36 00-0077 SY >500 To 1,100 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.66	
32 12 36 00-0078 SY >1,100 To 4,400 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	3.05	
32 12 36 00-0079 SY >4,400 To 7,800 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.84	
32 12 36 00-0080 SY >7,800 To 16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.69	
32 12 36 00-0081 SY >16,700 SY Double Screenings Asphalt Emulsion Seal Coat Spray Applied.....	2.54	
32 12 36 00-0082 Seal Coat With Sand And Latex (32 12 36) Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0083 SY Up To 250 SY Seal Coat With Sand And Latex Added (One Coat).....	4.37	
32 12 36 00-0084 SY >250 To 500 SY Seal Coat With Sand And Latex Added (One Coat).....	3.62	
32 12 36 00-0085 SY >500 To 1,000 SY Seal Coat With Sand And Latex Added (One Coat).....	2.87	
32 12 36 00-0086 SY >1,000 To 2,500 SY Seal Coat With Sand And Latex Added (One Coat).....	2.11	
32 12 36 00-0087 SY >2,500 To 5,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.66	
32 12 36 00-0088 SY >5,000 To 10,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.51	
32 12 36 00-0089 SY >10,000 To 20,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.36	
32 12 36 00-0090 SY >20,000 To 40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.21	
32 12 36 00-0091 SY >40,000 SY Seal Coat With Sand And Latex Added (One Coat).....	1.05	
32 12 36 00-0092 Asphalt Rubber Aggregate Membrane (32 12 36) Note: Includes cleaning and preparing existing surface, spreading asphalt rubber and cover aggregate, rolling and sweeping.		
32 12 36 00-0093 SY Up To 200 SY 3/8" Asphalt Rubber Aggregate Membrane.....	5.56	
32 12 36 00-0094 SY >200 To 500 SY 3/8" Asphalt Rubber Aggregate Membrane.....	4.45	
32 12 36 00-0095 SY >500 To 1,100 SY 3/8" Asphalt Rubber Aggregate Membrane.....	4.07	
32 12 36 00-0096 SY >1,100 To 4,400 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.45	
32 12 36 00-0097 SY >4,400 To 7,800 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.22	
32 12 36 00-0098 SY >7,800 To 16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	3.06	
32 12 36 00-0099 SY >16,700 SY 3/8" Asphalt Rubber Aggregate Membrane.....	2.89	
32 12 36 00-0100 Asphalt Emulsion, Fog Seal (Monterey County) (32 12 36)		
32 12 36 00-0101 TON Asphaltic Emulsion, Fog Seal (Monterey County).....	906.64	



Exterior Improvements		32
Bases, Ballasts, And Paving		32 10
Flexible Paving		32 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 43 Porous Flexible Paving <small>(32 12)</small>		
32 12 43 00-0001 Flexible Recycled Plastic Porous Grid <small>(32 12 43)</small>		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill	22.11	
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	7.89	
For >100 To 500, Add	2.05	
For >1,000 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.80	
32 12 73 Asphalt Paving Joint Sealants <small>(32 12)</small>		
32 12 73 00-0001 Expansion Joint In Sidewalk <small>(32 12 73)</small>		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk	2.89	
32 13 Rigid Paving <small>(32 10)</small>		
32 13 13 Concrete Paving <small>(32 13)</small>		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
32 13 13 17 Roller-Compacted Concrete Paving <small>(32 13 13)</small>		
32 13 13 17-0001 Concrete Paving Assemblies <small>(32 13 13 17)</small>		
Note: Includes forms, wire mesh (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 00 00-0001 for color additive.		
32 13 13 17-0002 4,500 PSI Concrete Paving Assembly <small>(32 13 13 17-0001)</small>		
32 13 13 17-0003 SY 4" 4,500 PSI Concrete Paving Assembly	40.28	
For 2,500 PSI Concrete, Deduct	-2.13	
For 3,000 PSI Concrete, Deduct	-1.39	
For 3,500 PSI Concrete, Deduct	-1.11	
For 4,000 PSI Concrete, Deduct	-0.48	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	2.41	
For <10' Wide Pass, Add	7.29	
For >24' Wide Pass, Deduct	-8.06	
For Air Entrainment, Add	0.93	
For Accelerator Admixtures, Add	1.11	
For Slipforming, Deduct	-4.03	
For Up To 100, Add	16.76	
For >100 To 250, Add	9.30	
For >250 To 500, Add	4.65	
For >1,000 To 2,000, Deduct	-0.93	
For >2,000 To 5,000, Deduct	-1.93	
For >5,000 To 10,000, Deduct	-2.94	
For >10,000 To 20,000, Deduct	-3.95	
For >20,000, Deduct	-4.95	
32 13 13 17-0004 SY 5" 4,500 PSI Concrete Paving Assembly	47.42	
For 2,500 PSI Concrete, Deduct	-2.67	
For 3,000 PSI Concrete, Deduct	-1.74	
For 3,500 PSI Concrete, Deduct	-1.40	
For 4,000 PSI Concrete, Deduct	-0.60	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.02	
For <10' Wide Pass, Add	8.37	
For >24' Wide Pass, Deduct	-9.48	
For Air Entrainment, Add	1.16	
For Accelerator Admixtures, Add	1.40	
For Slipforming, Deduct	-4.74	
For Up To 100, Add	19.15	
For >100 To 250, Add	10.74	
For >250 To 500, Add	5.37	
For >1,000 To 2,000, Deduct	-1.16	
For >2,000 To 5,000, Deduct	-2.35	
For >5,000 To 10,000, Deduct	-3.53	
For >10,000 To 20,000, Deduct	-4.72	
For >20,000, Deduct	-5.91	

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 13 Rigid Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0005	SY	6"	4,500 PSI Concrete Paving Assembly	50.72	
			<i>For 2,500 PSI Concrete, Deduct</i>	-2.82	
			<i>For 3,000 PSI Concrete, Deduct</i>	-1.84	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.47	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.64	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	3.19	
			<i>For <10' Wide Pass, Add</i>	9.00	
			<i>For >24' Wide Pass, Deduct</i>	-10.14	
			<i>For Air Entrainment, Add</i>	1.23	
			<i>For Accelerator Admixtures, Add</i>	1.47	
			<i>For Slipforming, Deduct</i>	-5.07	
			<i>For Up To 100, Add</i>	20.62	
			<i>For >100 To 250, Add</i>	11.54	
			<i>For >250 To 500, Add</i>	5.77	
			<i>For >1,000 To 2,000, Deduct</i>	-1.23	
			<i>For >2,000 To 5,000, Deduct</i>	-2.50	
			<i>For >5,000 To 10,000, Deduct</i>	-3.76	
			<i>For >10,000 To 20,000, Deduct</i>	-5.03	
			<i>For >20,000, Deduct</i>	-6.30	
32 13 13 17-0006	SY	7"	4,500 PSI Concrete Paving Assembly	59.94	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.56	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.32	
			<i>For 3,500 PSI Concrete, Deduct</i>	-1.86	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.80	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.02	
			<i>For <10' Wide Pass, Add</i>	10.34	
			<i>For >24' Wide Pass, Deduct</i>	-11.99	
			<i>For Air Entrainment, Add</i>	1.55	
			<i>For Accelerator Admixtures, Add</i>	1.86	
			<i>For Slipforming, Deduct</i>	-5.99	
			<i>For Up To 100, Add</i>	23.59	
			<i>For >100 To 250, Add</i>	13.34	
			<i>For >250 To 500, Add</i>	6.67	
			<i>For >1,000 To 2,000, Deduct</i>	-1.55	
			<i>For >2,000 To 5,000, Deduct</i>	-3.05	
			<i>For >5,000 To 10,000, Deduct</i>	-4.54	
			<i>For >10,000 To 20,000, Deduct</i>	-6.04	
			<i>For >20,000, Deduct</i>	-7.54	
32 13 13 17-0007	SY	8"	4,500 PSI Concrete Paving Assembly	68.76	
			<i>For 2,500 PSI Concrete, Deduct</i>	-3.91	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.55	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.04	
			<i>For 4,000 PSI Concrete, Deduct</i>	-0.88	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	4.41	
			<i>For <10' Wide Pass, Add</i>	12.10	
			<i>For >24' Wide Pass, Deduct</i>	-13.75	
			<i>For Air Entrainment, Add</i>	1.70	
			<i>For Accelerator Admixtures, Add</i>	2.04	
			<i>For Slipforming, Deduct</i>	-6.88	
			<i>For Up To 100, Add</i>	27.67	
			<i>For >100 To 250, Add</i>	15.53	
			<i>For >250 To 500, Add</i>	7.77	
			<i>For >1,000 To 2,000, Deduct</i>	-1.70	
			<i>For >2,000 To 5,000, Deduct</i>	-3.42	
			<i>For >5,000 To 10,000, Deduct</i>	-5.14	
			<i>For >10,000 To 20,000, Deduct</i>	-6.86	
			<i>For >20,000, Deduct</i>	-8.57	
32 13 13 17-0008	SY	9"	4,500 PSI Concrete Paving Assembly	77.66	
			<i>For 2,500 PSI Concrete, Deduct</i>	-4.51	
			<i>For 3,000 PSI Concrete, Deduct</i>	-2.94	
			<i>For 3,500 PSI Concrete, Deduct</i>	-2.35	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.02	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	5.10	
			<i>For <10' Wide Pass, Add</i>	13.53	
			<i>For >24' Wide Pass, Deduct</i>	-15.53	
			<i>For Air Entrainment, Add</i>	1.96	
			<i>For Accelerator Admixtures, Add</i>	2.35	
			<i>For Slipforming, Deduct</i>	-7.77	
			<i>For Up To 100, Add</i>	30.90	
			<i>For >100 To 250, Add</i>	17.41	
			<i>For >250 To 500, Add</i>	8.71	
			<i>For >1,000 To 2,000, Deduct</i>	-1.96	
			<i>For >2,000 To 5,000, Deduct</i>	-3.90	
			<i>For >5,000 To 10,000, Deduct</i>	-5.85	
			<i>For >10,000 To 20,000, Deduct</i>	-7.79	
			<i>For >20,000, Deduct</i>	-9.73	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Rigid Paving	32 13

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 17-0009 SY 10" 4,500 PSI Concrete Paving Assembly.....	86.67	
For 2,500 PSI Concrete, Deduct	-4.96	
For 3,000 PSI Concrete, Deduct	-3.24	
For 3,500 PSI Concrete, Deduct	-2.59	
For 4,000 PSI Concrete, Deduct	-1.12	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.61	
For <10' Wide Pass, Add	15.19	
For >24' Wide Pass, Deduct	-17.33	
For Air Entrainment, Add	2.16	
For Accelerator Admixtures, Add	2.59	
For Slipforming, Deduct	-8.67	
For Up To 100, Add	34.73	
For >100 To 250, Add	19.53	
For >250 To 500, Add	9.76	
For >1,000 To 2,000, Deduct	-2.16	
For >2,000 To 5,000, Deduct	-4.33	
For >5,000 To 10,000, Deduct	-6.49	
For >10,000 To 20,000, Deduct	-8.66	
For >20,000, Deduct	-10.83	
32 13 13 17-0010 SY 12" 4,500 PSI Concrete Paving Assembly.....	103.32	
For 2,500 PSI Concrete, Deduct	-5.88	
For 3,000 PSI Concrete, Deduct	-3.83	
For 3,500 PSI Concrete, Deduct	-3.07	
For 4,000 PSI Concrete, Deduct	-1.33	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.65	
For <10' Wide Pass, Add	18.16	
For >24' Wide Pass, Deduct	-20.66	
For Air Entrainment, Add	2.56	
For Accelerator Admixtures, Add	3.07	
For Slipforming, Deduct	-10.33	
For Up To 100, Add	41.54	
For >100 To 250, Add	23.33	
For >250 To 500, Add	11.66	
For >1,000 To 2,000, Deduct	-2.56	
For >2,000 To 5,000, Deduct	-5.14	
For >5,000 To 10,000, Deduct	-7.72	
For >10,000 To 20,000, Deduct	-10.31	
For >20,000, Deduct	-12.89	
32 13 13 17-0011 SY 15" 4,500 PSI Concrete Paving Assembly.....	132.05	
For 2,500 PSI Concrete, Deduct	-7.22	
For 3,000 PSI Concrete, Deduct	-4.71	
For 3,500 PSI Concrete, Deduct	-3.77	
For 4,000 PSI Concrete, Deduct	-1.63	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.16	
For <10' Wide Pass, Add	23.60	
For >24' Wide Pass, Deduct	-26.41	
For Air Entrainment, Add	3.14	
For Accelerator Admixtures, Add	3.77	
For Slipforming, Deduct	-13.21	
For Up To 100, Add	54.12	
For >100 To 250, Add	30.20	
For >250 To 500, Add	15.10	
For >1,000 To 2,000, Deduct	-3.14	
For >2,000 To 5,000, Deduct	-6.44	
For >5,000 To 10,000, Deduct	-9.74	
For >10,000 To 20,000, Deduct	-13.04	
For >20,000, Deduct	-16.34	
32 13 16 Decorative Concrete Paving (32 13)		
32 13 16 13 Patterned Concrete Paving (32 13 16)		
See CSI section 32 17 26 00-0000 for tactile warning surfaces.		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Sidewalk.....	3.56	
32 13 43 Pervious Concrete Paving (32 13)		
32 13 43 00-0001 Pervious Concrete Assembly (32 13 43)		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick Pervious Concrete Paving.....	11.03	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.24	
For >30,000 To 100,000, Deduct	-2.33	
For >100,000, Deduct	-2.89	
32 13 43 00-0003 SF 9" Thick Pervious Concrete Paving.....	13.61	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.49	
For >30,000 To 100,000, Deduct	-2.77	
For >100,000, Deduct	-3.44	
32 13 73 Concrete Paving Joint Sealants (32 13)		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 13	Rigid Paving



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)

32 13 73 13-0001			Concrete Pavement Joint And Crack Repair (32 13 73 13) Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002	LF		Pavement Sealing, Roads Resealing Joints In Concrete Pavements For Roads	6.70	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)

32 13 73 16-0001			Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16) Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF		Joint Sealing, Concrete Pavement Preformed Elastomeric	9.87	

32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)

32 13 73 19-0001			Silicone Joint Sealant For Concrete Pavement (32 13 73 19) Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where sawcutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF		1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	7.89	1.90
32 13 73 19-0003	LF		3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.19	1.93
32 13 73 19-0004	LF		1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	8.53	1.98
32 13 73 19-0005	LF		3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	9.47	2.01
32 13 73 19-0006	LF		1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	10.65	2.05
32 13 73 19-0007	LF		1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	12.21	2.10
32 13 73 19-0008	LF		2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	14.50	2.14

32 14 Unit Paving (32 14)**32 14 09 Paver Restraints** (32 14)

32 14 09 00-0001			Paver Restraints (32 14 09) Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF		Up To 2" Height, Vinyl Paver Restraint	3.02	0.86
			For >1,000 To 2,000, Deduct	-0.36	
			For >2,000 To 4,000, Deduct	-0.52	
			For >4,000, Deduct	-0.67	
32 14 09 00-0003	LF		Up To 2" Height, Galvanized Steel Paver Restraint	3.24	0.86
			For >500 To 1,000, Deduct	-0.09	
			For >1,000 To 2,000, Deduct	-0.19	
			For >2,000, Deduct	-0.28	
32 14 09 00-0004	LF		Up To 1" Height, Aluminum Paver Restraint	3.13	0.86
			For >250 To 500, Deduct	-0.18	
			For >500 To 1,000, Deduct	-0.26	
			For >1,000 To 1,500, Deduct	-0.44	
32 14 09 00-0005	LF		>1" To 2" Height, Aluminum Paver Restraint	3.62	0.86
			For >250 To 500, Deduct	-0.22	
			For >500 To 1,000, Deduct	-0.34	
			For >1,000 To 1,500, Deduct	-0.56	
32 14 09 00-0006	LF		>2" To 3" Height, Aluminum Paver Restraint	4.57	0.86
			For >250 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.48	
			For >1,000 To 1,500, Deduct	-0.80	
32 14 09 00-0007	LF		>3" To 4" Height, Aluminum Paver Restraint	5.29	0.86
			For >250 To 500, Deduct	-0.39	
			For >500 To 1,000, Deduct	-0.59	
			For >1,000 To 1,500, Deduct	-0.98	

32 14 11 Bedding For Unit Paving (32 14)

32 14 11 00-0001			Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11) Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded	0.80	
			For Up To 100, Add	0.35	
			For >100 To 500, Add	0.10	
			For >1,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
32 14 11 00-0003	SF		1" To 2" Stone Dust Bedding, Screeded	0.96	
			For Up To 100, Add	0.39	
			For >100 To 500, Add	0.11	
			For >1,000 To 5,000, Deduct	-0.06	
			For >5,000, Deduct	-0.10	
32 14 11 00-0004	SF		3" Stone Dust Bedding, Screeded	1.25	
			For Up To 100, Add	0.49	
			For >100 To 500, Add	0.13	
			For >1,000 To 5,000, Deduct	-0.07	
			For >5,000, Deduct	-0.12	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Unit Paving	32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded	1.58	
For Up To 100, Add	0.61	
For >100 To 500, Add	0.17	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.15	
32 14 11 00-0006 SF 1" Mortar Bedding	2.44	
For Up To 100, Add	1.10	
For >100 To 500, Add	0.32	
For >1,000 To 5,000, Deduct	-0.20	
For >5,000, Deduct	-0.31	
32 14 11 00-0007 SF 2" Mortar Bedding	3.55	
For Up To 100, Add	1.54	
For >100 To 500, Add	0.44	
For >1,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.42	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar	1.23	
For Up To 100, Add	0.57	
For >100 To 500, Add	0.17	
For >1,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.16	

32 14 13 Precast Concrete Unit Paving (32 14)

32 14 13 16 Pressed Precast Concrete Unit Paving (32 14 13)

32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)

Note: Square, rectangular, or interlocking pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver	8.69	2.45
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.81	
For 3-1/8" Concrete Paver, Add	1.31	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.68	
For Up To 100, Add	3.40	
For >100 To 500, Add	0.93	
For >1,000 To 5,000, Deduct	-0.49	
For >5,000, Deduct	-0.85	
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	8.24	2.24
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.79	
For 3-1/8" Concrete Paver, Add	1.28	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.64	
For Up To 100, Add	3.18	
For >100 To 500, Add	0.86	
For >1,000 To 5,000, Deduct	-0.45	
For >5,000, Deduct	-0.78	
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	7.84	1.78
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.77	
For 3-1/8" Concrete Paver, Add	1.25	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.60	
For Up To 100, Add	2.98	
For >100 To 500, Add	0.80	
For >1,000 To 5,000, Deduct	-0.41	
For >5,000, Deduct	-0.72	
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver	7.47	1.85
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	0.75	
For 3-1/8" Concrete Paver, Add	1.22	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.56	
For Up To 100, Add	2.79	
For >100 To 500, Add	0.74	
For >1,000 To 5,000, Deduct	-0.37	
For >5,000, Deduct	-0.67	
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	8.03	2.13
Note: Patterns made by combining pavers from two or more size groups.		
For 2-3/4" Concrete Paver, Add	0.78	
For 3-1/8" Concrete Paver, Add	1.26	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.61	
For Up To 100, Add	3.07	
For >100 To 500, Add	0.83	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.75	

32 14 16 Brick Unit Paving (32 14)

32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 14 Unit Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 16 00-0002	SF		4" x 8" x 2-1/4" Brick Paver, Laid Flat	9.29	2.45
			<i>For 1-3/8" Thick Paver, Deduct</i>	-1.78	
			<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	3.97	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.71	
			<i>For Up To 100, Add</i>	3.55	
			<i>For >100 To 500, Add</i>	0.96	
			<i>For >1,000 To 5,000, Deduct</i>	-0.49	
			<i>For >5,000, Deduct</i>	-0.87	
32 14 16 00-0003	SF		4" x 8" x 2-1/4" Brick, Laid On Edge.....	13.35	2.80
			<i>For 1-3/8" Thick Paver, Deduct</i>	-3.00	
			<i>For 2-3/4" Thick Paver (Vehicular), Add</i>	6.90	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.95	
			<i>For Up To 100, Add</i>	4.74	
			<i>For >100 To 500, Add</i>	1.23	
			<i>For >1,000 To 5,000, Deduct</i>	-0.56	
			<i>For >5,000, Deduct</i>	-1.07	
32 14 40 Stone Paving <small>(32 14)</small>					
32 14 40 00-0001 Slate Paver Sidewalk <small>(32 14 40)</small>					
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.					
32 14 40 00-0002	SF		1" Thick, Up to 54 SI Slate Paver.....	15.05	2.04
			Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.96	
			<i>For 1/4" Thick Paver, Deduct</i>	-8.04	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.66	
			<i>For Up To 100, Add</i>	4.78	
			<i>For >100 To 500, Add</i>	1.16	
			<i>For >1,000 To 5,000, Deduct</i>	-0.41	
			<i>For >5,000, Deduct</i>	-0.94	
32 14 40 00-0003	SF		1" Thick, >54 to 108 SI Slate Paver	14.68	1.85
			Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.92	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.95	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.61	
			<i>For Up To 100, Add</i>	4.60	
			<i>For >100 To 500, Add</i>	1.10	
			<i>For >1,000 To 5,000, Deduct</i>	-0.37	
			<i>For >5,000, Deduct</i>	-0.88	
32 14 40 00-0004	SF		1" Thick, >108 to 216 SI Slate Paver	14.03	1.53
			Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.85	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.79	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.51	
			<i>For Up To 100, Add</i>	4.27	
			<i>For >100 To 500, Add</i>	1.01	
			<i>For >1,000 To 5,000, Deduct</i>	-0.31	
			<i>For >5,000, Deduct</i>	-0.79	
32 14 40 00-0005	SF		1" Thick, >216 SI Slate Paver	13.76	1.39
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.83	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.72	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.47	
			<i>For Up To 100, Add</i>	4.14	
			<i>For >100 To 500, Add</i>	0.97	
			<i>For >1,000 To 5,000, Deduct</i>	-0.28	
			<i>For >5,000, Deduct</i>	-0.75	
32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns.....	14.32	1.68
			Note: Patterns made by combining pavers from two or more size groups.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.88	
			<i>For 1/4" Thick Paver, Deduct</i>	-7.86	
			<i>For 1/2" Thick Paver, Deduct</i>	-5.55	
			<i>For Up To 100, Add</i>	4.42	
			<i>For >100 To 500, Add</i>	1.05	
			<i>For >1,000 To 5,000, Deduct</i>	-0.33	
			<i>For >5,000, Deduct</i>	-0.83	
32 14 40 00-0007 Granite Paver Sidewalk <small>(32 14 40)</small>					
Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.					
32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver	17.38	2.04
			Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
			<i>For 2" Granite Paver, Add</i>	0.87	
			<i>For 3" Granite Paver, Add</i>	1.74	
			<i>For 4" Granite Paver, Add</i>	1.94	
			<i>For Up To 100, Add</i>	5.36	
			<i>For >100 To 500, Add</i>	1.28	
			<i>For >1,000 To 5,000, Deduct</i>	-0.41	
			<i>For >5,000, Deduct</i>	-1.01	



Exterior Improvements	32
Bases, Ballasts, And Paving	32 10
Unit Paving	32 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0009 SF 1" Thick, >54 to 108 SI Granite Paver Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	17.01 1.04 0.85 1.70 1.89 5.18 1.22 -0.37 -0.95	1.85
32 14 40 00-0010 SF 1" Thick, >108 to 216 SI Granite Paver Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.36 0.97 0.82 1.64 1.79 4.85 1.12 -0.31 -0.86	1.53
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.09 0.94 0.80 1.61 1.75 4.72 1.08 -0.28 -0.82	1.39
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	16.65 1.00 0.83 1.67 1.83 5.00 1.17 -0.33 -0.90	1.68
32 14 40 00-0013 Cobble Stone <small>(32 14 40)</small> Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.		
32 14 40 00-0014 SF 4" to 8" diameter cobble stones, various colors, Up To 500 SF Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	21.11	
32 14 40 00-0015 SF 4" to 8" diameter cobble stones, various colors, > 500 SF Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	16.49	
32 14 43 Porous Unit Paving <small>(32 14)</small>		
32 14 43 00-0001 Turf Block <small>(32 14 43)</small> Note: Grass grid, open-cell unit paver, geoblock.		
32 14 43 00-0002 SF 3-1/8" Thick, Precast Concrete Turf Block For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	7.58 2.96 0.81 -0.43 -0.74	2.13
32 14 43 00-0003 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	10.85 3.78 0.97 -0.43 -0.84	2.13
32 15 Aggregate Surfacing <small>(32 10)</small>		
32 15 40 Crushed Stone Surfacing <small>(32 15)</small> Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 15 40 00-0001 Gravel Surfacing And Spreading <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002 CY Gravel Surfacing And Spreading	61.26	
32 15 40 00-0003 Limestone Screenings <small>(32 15 40)</small> Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004 CY Limestone Screenings For Trail	38.16	
32 16 Curbs, Gutters, Sidewalks, And Driveways <small>(32 10)</small>		
32 16 13 Curbs And Gutters <small>(32 16)</small>		

32 Exterior Improvements
32 10 Bases, Ballasts, And Paving
32 16 Curbs, Gutters, Sidewalks, And Driveways



MINOR
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0046 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs And Gutters (32 16 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 Concrete Curb, Cast In Place (32 16 13 13)

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	"B3" Cast In Place Concrete Curb	8.30	7.50
32 16 13 13-0003	LF	"B3" Cast In Place Concrete Curb - Radius	9.44	8.63
32 16 13 13-0004	LF	"B1" Cast In Place Concrete Curb	18.89	7.50
32 16 13 13-0005	LF	"B1" Cast In Place Concrete Curb - Radius	21.62	8.26
32 16 13 13-0006	LF	"A1-150" Cast In Place Concrete Curb	18.44	7.50
32 16 13 13-0007	LF	"A1-150" Cast In Place Concrete Curb - Radius	21.12	8.26
32 16 13 13-0008	LF	"A1-200" Cast In Place Concrete Curb	19.08	7.50
32 16 13 13-0009	LF	"A1-200" Cast In Place Concrete Curb - Radius	21.84	8.26
32 16 13 13-0010	LF	6" x 12" Cast In Place Concrete Curb	14.42	7.50
		For Up To 20, Add	8.89	
		For >20 To 50, Add	5.05	
		For >50 To 100, Add	1.92	
		For >500 To 1,000, Deduct	-1.92	
		For >1,000, Deduct	-3.24	
32 16 13 13-0011	LF	6" x 12" Cast In Place Concrete Curb - Radius	16.54	8.63
		For Up To 20, Add	10.25	
		For >20 To 50, Add	5.82	
		For >50 To 100, Add	2.22	
		For >500 To 1,000, Deduct	-2.22	
		For >1,000, Deduct	-3.74	
32 16 13 13-0012	LF	6" x 14" Cast In Place Concrete Curb	15.86	7.50
		For Up To 20, Add	9.74	
		For >20 To 50, Add	5.53	
		For >50 To 100, Add	2.11	
		For >500 To 1,000, Deduct	-2.11	
		For >1,000, Deduct	-3.56	
32 16 13 13-0013	LF	6" x 14" Cast In Place Concrete Curb - Radius	18.19	8.63
		For Up To 20, Add	11.23	
		For >20 To 50, Add	6.38	
		For >50 To 100, Add	2.43	
		For >500 To 1,000, Deduct	-2.43	
		For >1,000, Deduct	-4.10	
32 16 13 13-0014	LF	6" x 16" Cast In Place Concrete Curb	17.45	7.50
		For Up To 20, Add	10.62	
		For >20 To 50, Add	6.02	
		For >50 To 100, Add	2.30	
		For >500 To 1,000, Deduct	-2.30	
		For >1,000, Deduct	-3.88	
32 16 13 13-0015	LF	6" x 16" Cast In Place Concrete Curb - Radius	19.98	11.26
		For Up To 20, Add	12.25	
		For >20 To 50, Add	6.95	
		For >50 To 100, Add	2.65	
		For >500 To 1,000, Deduct	-2.65	
		For >1,000, Deduct	-4.47	
32 16 13 13-0016	LF	6" x 18" Cast In Place Concrete Curb	18.72	7.50
		For Up To 20, Add	11.32	
		For >20 To 50, Add	6.42	
		For >50 To 100, Add	2.45	
		For >500 To 1,000, Deduct	-2.45	
		For >1,000, Deduct	-4.15	
32 16 13 13-0017	LF	6" x 18" Cast In Place Concrete Curb - Radius	21.18	8.63
		For Up To 20, Add	12.87	
		For >20 To 50, Add	7.30	
		For >50 To 100, Add	2.79	
		For >500 To 1,000, Deduct	-2.79	
		For >1,000, Deduct	-4.71	
32 16 13 13-0018	LF	6" x 24" Cast In Place Concrete Curb	21.46	8.26
		For Up To 20, Add	12.63	
		For >20 To 50, Add	7.15	
		For >50 To 100, Add	2.74	
		For >500 To 1,000, Deduct	-2.74	
		For >1,000, Deduct	-4.65	
32 16 13 13-0019	LF	6" x 24" Cast In Place Concrete Curb - Radius	24.02	9.38
		For Up To 20, Add	14.18	
		For >20 To 50, Add	8.03	
		For >50 To 100, Add	3.08	
		For >500 To 1,000, Deduct	-3.08	
		For >1,000, Deduct	-5.22	
32 16 13 13-0020	LF	12" x 24" Cast In Place Concrete Curb	28.01	9.38
		For Up To 20, Add	14.98	
		For >20 To 50, Add	8.43	
		For >50 To 100, Add	3.28	
		For >500 To 1,000, Deduct	-3.28	
		For >1,000, Deduct	-5.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0021 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	31.19	10.51
For Up To 20, Add	16.74	
For >20 To 50, Add	9.42	
For >50 To 100, Add	3.66	
For >500 To 1,000, Deduct	-3.66	
For >1,000, Deduct	-6.27	
32 16 13 13-0022 EA Additional Finish For Handicap Drop Section In Curb.....	56.29	
32 16 13 13-0023 Curb And Gutter Combined, Cast In Place <small>(32 16 13 13)</small>		
<i>Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.</i>		
32 16 13 13-0024 LF "A2-6 Modified" Concrete Curb And Gutter - Straight.....	20.83	9.06
For Up To 20, Add	14.09	
For >20 To 50, Add	7.84	
For >50 To 100, Add	3.12	
For >500 To 1,000, Deduct	-2.63	
For >1,000, Deduct	-4.46	
For Rolled Curb And Gutter	1.31	
For Integral Colors, Add	0.12	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0025 LF "A2-6 Modified" Concrete Curb And Gutter - Radius.....	23.05	9.06
For Up To 20, Add	15.57	
For >20 To 50, Add	8.65	
For >50 To 100, Add	3.46	
For >500 To 1,000, Deduct	-2.89	
For >1,000, Deduct	-4.91	
For Rolled Curb And Gutter	1.43	
For Integral Colors, Add	0.14	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0026 LF "A2-6" Concrete Curb And Gutter - Straight.....	27.87	12.08
For Up To 20, Add	19.14	
For >20 To 50, Add	10.78	
For >50 To 100, Add	4.18	
For >500 To 1,000, Deduct	-3.81	
For >1,000, Deduct	-6.41	
For Rolled Curb And Gutter	2.21	
For Integral Colors, Add	0.09	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0027 LF "A2-6" Concrete Curb And Gutter - Radius.....	35.59	13.59
For Up To 20, Add	24.07	
For >20 To 50, Add	13.40	
For >50 To 100, Add	5.34	
For >500 To 1,000, Deduct	-4.50	
For >1,000, Deduct	-7.64	
For Rolled Curb And Gutter	2.26	
For Integral Colors, Add	0.20	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0028 LF "B-2" Concrete Curb And Gutter - Straight.....	34.09	13.22
For Up To 20, Add	23.10	
For >20 To 50, Add	12.87	
For >50 To 100, Add	5.11	
For >500 To 1,000, Deduct	-4.35	
For >1,000, Deduct	-7.38	
For Rolled Curb And Gutter	2.22	
For Integral Colors, Add	0.18	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0029 LF "B-2" Concrete Curb And Gutter - Radius.....	35.26	13.22
For Up To 20, Add	23.80	
For >20 To 50, Add	13.22	
For >50 To 100, Add	5.29	
For >500 To 1,000, Deduct	-4.41	
For >1,000, Deduct	-7.49	
For Rolled Curb And Gutter	2.16	
For Integral Colors, Add	0.21	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0030 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Straight.....	19.76	9.06
For Up To 20, Add	13.44	
For >20 To 50, Add	7.52	
For >50 To 100, Add	2.96	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-4.36	
For Rolled Curb And Gutter	1.37	
For Integral Colors, Add	0.09	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0031 LF 6" x 12" Concrete Gutter With 6" Curb And Face - Radius.....	21.56	12.08
For Up To 20, Add	14.67	
For >20 To 50, Add	8.21	
For >50 To 100, Add	3.23	
For >500 To 1,000, Deduct	-2.82	
For >1,000, Deduct	-4.76	
For Rolled Curb And Gutter	1.51	
For Integral Colors, Add	0.10	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0032	LF		6" x 18" Concrete Gutter With 6" Curb And Face - Straight	25.14	10.04
			<i>For Up To 20, Add</i>	17.09	
			<i>For >20 To 50, Add</i>	9.54	
			<i>For >50 To 100, Add</i>	3.77	
			<i>For >500 To 1,000, Deduct</i>	-3.26	
			<i>For >1,000, Deduct</i>	-5.52	
			<i>For Rolled Curb And Gutter</i>	1.72	
			<i>For Integral Colors, Add</i>	0.12	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0033	LF		6" x 18" Concrete Gutter With 6" Curb And Face - Radius	27.79	11.18
			<i>For Up To 20, Add</i>	18.90	
			<i>For >20 To 50, Add</i>	10.57	
			<i>For >50 To 100, Add</i>	4.17	
			<i>For >500 To 1,000, Deduct</i>	-3.62	
			<i>For >1,000, Deduct</i>	-6.12	
			<i>For Rolled Curb And Gutter</i>	1.92	
			<i>For Integral Colors, Add</i>	0.13	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0034	LF		6" x 24" Concrete Gutter With 6" Curb And Face - Straight	30.52	12.08
			<i>For Up To 20, Add</i>	20.73	
			<i>For >20 To 50, Add</i>	11.57	
			<i>For >50 To 100, Add</i>	4.58	
			<i>For >500 To 1,000, Deduct</i>	-3.94	
			<i>For >1,000, Deduct</i>	-6.68	
			<i>For Rolled Curb And Gutter</i>	2.07	
			<i>For Integral Colors, Add</i>	0.15	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0035	LF		6" x 24" Concrete Gutter With 6" Curb And Face - Radius	34.03	13.59
			<i>For Up To 20, Add</i>	23.14	
			<i>For >20 To 50, Add</i>	12.93	
			<i>For >50 To 100, Add</i>	5.10	
			<i>For >500 To 1,000, Deduct</i>	-4.42	
			<i>For >1,000, Deduct</i>	-7.48	
			<i>For Rolled Curb And Gutter</i>	2.34	
			<i>For Integral Colors, Add</i>	0.16	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0036	LF		6" x 30" Concrete Gutter With 6" Curb And Face - Straight	36.29	14.35
			<i>For Up To 20, Add</i>	24.65	
			<i>For >20 To 50, Add</i>	13.76	
			<i>For >50 To 100, Add</i>	5.44	
			<i>For >500 To 1,000, Deduct</i>	-4.69	
			<i>For >1,000, Deduct</i>	-7.94	
			<i>For Rolled Curb And Gutter</i>	2.45	
			<i>For Integral Colors, Add</i>	0.18	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0037	LF		6" x 30" Concrete Gutter With 6" Curb And Face - Radius	39.90	15.87
			<i>For Up To 20, Add</i>	27.11	
			<i>For >20 To 50, Add</i>	15.14	
			<i>For >50 To 100, Add</i>	5.99	
			<i>For >500 To 1,000, Deduct</i>	-5.17	
			<i>For >1,000, Deduct</i>	-8.75	
			<i>For Rolled Curb And Gutter</i>	2.72	
			<i>For Integral Colors, Add</i>	0.20	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0038	LF		6" x 36" Concrete Gutter With 6" Curb And Face - Straight	42.05	16.62
			<i>For Up To 20, Add</i>	28.55	
			<i>For >20 To 50, Add</i>	15.94	
			<i>For >50 To 100, Add</i>	6.31	
			<i>For >500 To 1,000, Deduct</i>	-5.43	
			<i>For >1,000, Deduct</i>	-9.19	
			<i>For Rolled Curb And Gutter</i>	2.84	
			<i>For Integral Colors, Add</i>	0.21	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0039	LF		6" x 36" Concrete Gutter With 6" Curb And Face - Radius	45.76	18.13
			<i>For Up To 20, Add</i>	31.08	
			<i>For >20 To 50, Add</i>	17.35	
			<i>For >50 To 100, Add</i>	6.86	
			<i>For >500 To 1,000, Deduct</i>	-5.91	
			<i>For >1,000, Deduct</i>	-10.02	
			<i>For Rolled Curb And Gutter</i>	3.10	
			<i>For Integral Colors, Add</i>	0.23	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 13-0040	LF		6" x 42" Concrete Gutter With 6" Curb And Face - Straight	47.81	18.89
			<i>For Up To 20, Add</i>	32.46	
			<i>For >20 To 50, Add</i>	18.12	
			<i>For >50 To 100, Add</i>	7.17	
			<i>For >500 To 1,000, Deduct</i>	-6.17	
			<i>For >1,000, Deduct</i>	-10.45	
			<i>For Rolled Curb And Gutter</i>	3.22	
			<i>For Integral Colors, Add</i>	0.24	
			<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0041 LF 6" x 42" Concrete Gutter With 6" Curb And Face - Radius	53.12	21.15
<i>For Up To 20, Add</i>	36.10	
<i>For >20 To 50, Add</i>	20.17	
<i>For >50 To 100, Add</i>	7.97	
<i>For >500 To 1,000, Deduct</i>	-6.89	
<i>For >1,000, Deduct</i>	-11.66	
<i>For Rolled Curb And Gutter</i>	3.63	
<i>For Integral Colors, Add</i>	0.26	
<i>Note: Modifier quantity = task quantity x LB/CY color added.</i>		
32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)		
Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002 JOB Machine Formed Curb Minimum Set-Up Charge.....	1,071.17	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003 LF 6" x 12" Straight Curb, Machine Formed.....	9.26	
32 16 13 14-0004 LF 6" x 12" Curved Curb, Machine Formed.....	12.56	
32 16 13 14-0005 LF 6" x 18" Straight Curb, Machine Formed.....	12.24	
32 16 13 14-0006 LF 6" x 18" Curved Curb, Machine Formed	16.10	
32 16 13 16 Steel Faced Curbs (32 16 13)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)		
Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002 LF 3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	13.72	4.05
<i>For Curved Section, Add</i>	2.88	
32 16 13 16-0003 LF 4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	15.07	4.60
<i>For Curved Section, Add</i>	3.23	
32 16 13 16-0004 LF 6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	20.54	5.14
<i>For Curved Section, Add</i>	3.99	
32 16 13 16-0005 LF 8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	25.35	5.79
<i>For Curved Section, Add</i>	4.69	
32 16 13 16-0006 LF 10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	31.17	6.34
<i>For Curved Section, Add</i>	5.49	
32 16 13 16-0007 LF 12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	40.82	8.09
<i>For Curved Section, Add</i>	7.10	
32 16 13 16-0008 LF 13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	46.80	10.49
<i>For Curved Section, Add</i>	8.60	
32 16 13 16-0009 EA Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	148.86	
32 16 13 16-0010 EA Pedestrian/Handicap Ramp, Complete.....	85.41	
32 16 13 19 Cast-In-Place Concrete Drainage Ditches (32 16 13)		
32 16 13 19-0001 Valley Gutter, Cast In Place (32 16 13 19)		
Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002 LF 2' Wide Valley Gutter, 6" Thick	20.59	
<i>For Up To 20, Add</i>	10.52	
<i>For >20 To 50, Add</i>	5.90	
<i>For >50 To 100, Add</i>	2.31	
<i>For >500 To 1,000, Deduct</i>	-2.31	
<i>For >1,000, Deduct</i>	-3.98	
32 16 13 19-0003 LF 2-1/2' Wide Valley Gutter, 6" Thick	25.16	
<i>For Up To 20, Add</i>	12.75	
<i>For >20 To 50, Add</i>	7.15	
<i>For >50 To 100, Add</i>	2.80	
<i>For >500 To 1,000, Deduct</i>	-2.80	
<i>For >1,000, Deduct</i>	-4.83	
32 16 13 19-0004 LF 3' Wide Valley Gutter, 6" Thick	29.65	
<i>For Up To 20, Add</i>	14.92	
<i>For >20 To 50, Add</i>	8.36	
<i>For >50 To 100, Add</i>	3.28	
<i>For >500 To 1,000, Deduct</i>	-3.28	
<i>For >1,000, Deduct</i>	-5.66	
32 16 13 19-0005 LF 3-1/2' Wide Valley Gutter, 6" Thick	34.14	
<i>For Up To 20, Add</i>	17.09	
<i>For >20 To 50, Add</i>	9.57	
<i>For >50 To 100, Add</i>	3.76	
<i>For >500 To 1,000, Deduct</i>	-3.76	
<i>For >1,000, Deduct</i>	-6.49	
32 16 13 19-0006 LF 4' Wide Valley Gutter, 6" Thick	38.64	
<i>For Up To 20, Add</i>	19.26	
<i>For >20 To 50, Add</i>	10.79	
<i>For >50 To 100, Add</i>	4.24	
<i>For >500 To 1,000, Deduct</i>	-4.24	
<i>For >1,000, Deduct</i>	-7.32	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0007	LF		5' Wide Valley Gutter, 6" Thick.....	45.42	
			For Up To 20, Add	22.06	
			For >20 To 50, Add	12.33	
			For >50 To 100, Add	4.87	
			For >500 To 1,000, Deduct	-4.87	
			For >1,000, Deduct	-8.44	
32 16 13 19-0008	LF		6' Wide Valley Gutter, 6" Thick.....	51.85	
			For Up To 20, Add	24.62	
			For >20 To 50, Add	13.74	
			For >50 To 100, Add	5.44	
			For >500 To 1,000, Deduct	-5.44	
			For >1,000, Deduct	-9.46	
32 16 13 19-0009	SF		>6' Wide Valley Gutter, 6" Thick	8.63	
			For Up To 100, Add	4.10	
			For >100 To 250, Add	2.29	
			For >250 To 500, Add	0.91	
			For >2,500 To 5,000, Deduct	-0.91	
			For >5,000, Deduct	-1.57	
32 16 13 19-0010	LF		2' Wide Valley Gutter, 7" Thick.....	22.47	
			For Up To 20, Add	11.25	
			For >20 To 50, Add	6.30	
			For >50 To 100, Add	2.47	
			For >500 To 1,000, Deduct	-2.47	
			For >1,000, Deduct	-4.27	
32 16 13 19-0011	LF		2-1/2' Wide Valley Gutter, 7" Thick	27.67	
			For Up To 20, Add	13.77	
			For >20 To 50, Add	7.71	
			For >50 To 100, Add	3.03	
			For >500 To 1,000, Deduct	-3.03	
			For >1,000, Deduct	-5.24	
32 16 13 19-0012	LF		3' Wide Valley Gutter, 7" Thick.....	32.41	
			For Up To 20, Add	15.97	
			For >20 To 50, Add	8.94	
			For >50 To 100, Add	3.52	
			For >500 To 1,000, Deduct	-3.52	
			For >1,000, Deduct	-6.09	
32 16 13 19-0013	LF		3-1/2' Wide Valley Gutter, 7" Thick	37.34	
			For Up To 20, Add	18.30	
			For >20 To 50, Add	10.24	
			For >50 To 100, Add	4.03	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-6.98	
32 16 13 19-0014	LF		4' Wide Valley Gutter, 7" Thick.....	42.26	
			For Up To 20, Add	20.63	
			For >20 To 50, Add	11.53	
			For >50 To 100, Add	4.55	
			For >500 To 1,000, Deduct	-4.55	
			For >1,000, Deduct	-7.88	
32 16 13 19-0015	LF		5' Wide Valley Gutter, 7" Thick.....	49.79	
			For Up To 20, Add	23.66	
			For >20 To 50, Add	13.20	
			For >50 To 100, Add	5.23	
			For >500 To 1,000, Deduct	-5.23	
			For >1,000, Deduct	-9.09	
32 16 13 19-0016	LF		6' Wide Valley Gutter, 7" Thick.....	56.95	
			For Up To 20, Add	26.43	
			For >20 To 50, Add	14.72	
			For >50 To 100, Add	5.86	
			For >500 To 1,000, Deduct	-5.86	
			For >1,000, Deduct	-10.21	
32 16 13 19-0017	SF		>6' Wide Valley Gutter, 7" Thick	9.50	
			For Up To 100, Add	4.41	
			For >100 To 250, Add	2.46	
			For >250 To 500, Add	0.98	
			For >2,500 To 5,000, Deduct	-0.98	
			For >5,000, Deduct	-1.70	
32 16 13 19-0018	LF		2' Wide Valley Gutter, 8" Thick.....	22.82	
			For Up To 20, Add	11.67	
			For >20 To 50, Add	6.55	
			For >50 To 100, Add	2.56	
			For >500 To 1,000, Deduct	-2.56	
			For >1,000, Deduct	-4.42	
32 16 13 19-0019	LF		2-1/2' Wide Valley Gutter, 8" Thick	27.90	
			For Up To 20, Add	14.16	
			For >20 To 50, Add	7.94	
			For >50 To 100, Add	3.11	
			For >500 To 1,000, Deduct	-3.11	
			For >1,000, Deduct	-5.36	
32 16 13 19-0020	LF		3' Wide Valley Gutter, 8" Thick.....	32.87	
			For Up To 20, Add	16.56	
			For >20 To 50, Add	9.28	
			For >50 To 100, Add	3.64	
			For >500 To 1,000, Deduct	-3.64	
			For >1,000, Deduct	-6.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0021 LF 3-1/2' Wide Valley Gutter, 8" Thick	37.85	
For Up To 20, Add	18.97	
For >20 To 50, Add	10.63	
For >50 To 100, Add	4.17	
For >500 To 1,000, Deduct	-4.17	
For >1,000, Deduct	-7.21	
32 16 13 19-0022 LF 4' Wide Valley Gutter, 8" Thick	42.83	
For Up To 20, Add	21.38	
For >20 To 50, Add	11.97	
For >50 To 100, Add	4.70	
For >500 To 1,000, Deduct	-4.70	
For >1,000, Deduct	-8.13	
32 16 13 19-0023 LF 5' Wide Valley Gutter, 8" Thick	50.33	
32 16 13 19-0024 LF 6' Wide Valley Gutter, 8" Thick	57.46	
32 16 13 19-0025 SF >6' Wide Valley Gutter, 8" Thick	9.58	
For Up To 100, Add	4.56	
For >100 To 250, Add	2.54	
For >250 To 500, Add	1.01	
For >2,500 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-1.75	
32 16 13 23 Precast Concrete Curbs And Gutters (32 16 13)		
32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)		
32 16 13 23-0002 LF 6" X 18" Precast Concrete Curb	31.83	7.63
32 16 13 23-0003 LF 6" X 18" Precast Concrete Curb, Radius	37.94	8.78
32 16 13 33 Asphalt Curbs (32 16 13)		
32 16 13 33-0001 Asphalt Curbs (32 16 13 33)		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	10.05	4.14
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	11.31	4.60
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	12.48	5.06
32 16 13 43 Stone Curbs (32 16 13)		
32 16 13 43-0001 Remove And Reset Stone And Precast Curbing (32 16 13 43)		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Remove And Reset Stone Or Precast Curbing	26.33	
Note: Includes storage and cleaning.		
32 16 23 Sidewalks (32 16)		
32 16 23 00-0001 Cast In Place Concrete Sidewalk (32 16 23)		
Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0088 for pumping with boom truck, 03 31 13 00-0098 for buggies, 03 31 13 00-0105 for short loads, 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002 SF 4" Cast In Place Concrete Sidewalk	6.83	
For Up To 100, Add	2.95	
For >100 To 500, Add	0.84	
For >1,000 To 5,000, Deduct	-0.50	
For >5,000, Deduct	-1.09	
For Welded Wire Reinforcement, Add	0.53	
32 16 23 00-0003 SF 5" Cast In Place Concrete Sidewalk	7.42	
For Up To 100, Add	3.15	
For >100 To 500, Add	0.89	
For >1,000 To 5,000, Deduct	-0.52	
For >5,000, Deduct	-1.15	
For Welded Wire Reinforcement, Add	0.55	
32 16 23 00-0004 SF 6" Cast In Place Concrete Sidewalk	8.03	
For Up To 100, Add	3.35	
For >100 To 500, Add	0.94	
For >1,000 To 5,000, Deduct	-0.54	
For >5,000, Deduct	-1.20	
For Welded Wire Reinforcement, Add	0.56	
32 16 23 00-0005 SF 7" Cast In Place Concrete Sidewalk	9.31	
For Up To 100, Add	3.85	
For >100 To 500, Add	1.07	
For >1,000 To 5,000, Deduct	-0.61	
For >5,000, Deduct	-1.38	
For Welded Wire Reinforcement, Add	0.62	
32 16 23 00-0006 SF 8" Cast In Place Concrete Sidewalk	9.83	
For Up To 100, Add	4.00	
For >100 To 500, Add	1.11	
For >1,000 To 5,000, Deduct	-0.62	
For >5,000, Deduct	-1.42	
For Welded Wire Reinforcement, Add	0.62	
32 16 23 00-0007 SF For Exposed Aggregate Finish In Sidewalk	1.78	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 16 Curbs, Gutters, Sidewalks, And Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0008	EA		Finish Concrete Handicap Drop Section In Sidewalk..... Note: Excludes patterned (tactile) finish.	106.51	
32 16 23 00-0009			Bituminous Sidewalk <small>(32 16 23)</small> Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0010	SY		1" Bituminous Sidewalk..... For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	7.19 2.69 0.72 -0.36 -0.72	
32 16 23 00-0011	SY		1-1/2" Bituminous Sidewalk For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	9.03 3.33 0.88 -0.43 -0.88	
32 16 23 00-0012	SY		2" Bituminous Sidewalk..... For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	12.54 4.46 1.16 -0.53 -1.16	
32 16 23 00-0013	SY		2-1/2" Bituminous Sidewalk For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	15.68 5.57 1.44 -0.66 -1.44	
32 16 23 00-0014	SY		3" Bituminous Sidewalk..... For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	18.06 6.30 1.62 -0.71 -1.62	
32 16 23 00-0015	SY		3-1/2" Bituminous Sidewalk For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	20.86 7.18 1.83 -0.79 -1.83	
32 17 Paving Specialties <small>(32 10)</small>					
32 17 13 Parking Bumpers <small>(32 17)</small>			Note: Includes dowels set.		
32 17 13 16 Plastic Parking Bumpers <small>(32 17 13)</small>					
32 17 13 16-0001	EA		4" x 6" x 4' Wheel Stop, Recycled Plastic	56.91	5.68
32 17 13 16-0002	EA		4" x 6" x 6' Wheel Stop, Recycled Plastic	63.47	5.68
32 17 13 19 Precast Concrete Parking Bumpers <small>(32 17 13)</small>					
32 17 13 19-0001	LF		12" x 6" Precast Concrete Barrier With Dowels	53.63	1.37
32 17 13 19-0002	EA		6" x 8" x 4' Precast Concrete Wheel Stop	42.56	17.10
32 17 13 19-0003	EA		6" x 6" x 6' Precast Concrete Wheel Stop	49.33	17.10
32 17 13 19-0004	EA		6" x 8" x 6' Precast Concrete Wheel Stop	50.35	17.10
32 17 13 19-0005	EA		6" x 10" x 6' Precast Concrete Wheel Stop.....	52.45	17.10
32 17 13 19-0006	EA		8" x 4-1/2" x 6' Precast Concrete Wheel Stop.....	49.33	17.10
32 17 13 19-0007	EA		8" x 13" x 6' Precast Concrete Wheel Stop.....	60.92	17.10
32 17 13 19-0008	EA		7.625" x 7.625" x 6' Precast Concrete Wheel Stop	69.28	17.10
32 17 13 19-0009	EA		7.625" x 7.625" x 8' Precast Concrete Wheel Stop	99.26	17.10
32 17 13 19-0010	EA		8" x 12" x 8' Precast Concrete Wheel Stop.....	86.53	18.47
32 17 13 23 Rubber Parking Bumpers <small>(32 17 13)</small>					
32 17 13 23-0001	EA		3' Rubber Bumper Wheel Stop	26.48	5.68
32 17 13 23-0002	EA		4' Rubber Bumper Wheel Stop	31.16	5.68
32 17 13 23-0003	EA		5' Rubber Bumper Wheel Stop	33.03	5.68
32 17 13 23-0004	EA		6' Rubber Bumper Wheel Stop	35.84	5.68
32 17 13 26 Wood Parking Bumpers <small>(32 17 13)</small>					
32 17 13 26-0001	LF		4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	7.65	1.37
32 17 13 26-0002	LF		6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	9.82	1.37
32 17 13 33 Remove And Relocate Stops <small>(32 17 13)</small>					
32 17 13 33-0001	EA		Remove And Relocate Precast Concrete Wheel Stop	27.36	
32 17 13 33-0002	EA		Remove And Relocate Plastic Or Wood Wheel Stop.....	17.79	
32 17 13 33-0003	EA		Reset 4' Bumper	24.08	
32 17 13 33-0004	EA		Reset 6' Bumper	33.14	
32 17 16 Speed Bumps <small>(32 17)</small>					



Exterior Improvements	32	
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Paving Specialties	32 17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0001 Modular Rubber Speed Tables <small>(32 17 16)</small>		
<i>Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.</i>		
32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	37.99	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	33.19	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	31.07	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	36.33	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	31.89	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	30.01	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	34.66	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	30.88	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	29.12	
<i>Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.</i>		
32 17 16 00-0011 Asphalt Speed Table <small>(32 17 16)</small>		
<i>Note: Excludes pavement markings or reflectors.</i>		
32 17 16 00-0012 LF Up to 36" Wide Asphalt Speed Table With 3" Center Crown.....	27.91	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0013 LF >36" To 48" Wide Asphalt Speed Table With 3" Center Crown.....	32.94	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0014 LF Up to 36" Wide Asphalt Speed Table With 4" Center Crown.....	35.08	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0015 LF >36" To 48" Wide Asphalt Speed Table With 4" Center Crown.....	41.42	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0016 LF Up to 36" Wide Asphalt Speed Table With 6" Center Crown.....	42.90	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0017 LF >36" To 48" Wide Asphalt Speed Table With 6" Center Crown.....	47.92	
<i>Note: Tapered on edges to roadway.</i>		
32 17 16 00-0018 Speed Bumps <small>(32 17 16)</small>		
<i>Note: Excludes pavement markings or reflectors.</i>		
32 17 16 00-0019 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump.....	27.65	1.37
<i>Note: Excludes striping.</i>		
32 17 16 00-0020 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	26.10	0.91
32 17 16 00-0021 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	35.93	0.91
32 17 23 Pavement Markings <small>(32 17)</small>		
32 17 23 09 Minimum Charge For Pavement Striping <small>(32 17 23)</small>		
<i>Note: For projects where the total pavement striping charge is less than the minimum charge, use item exclusively. Item should not be used in conjunction with any other items in this section.</i>		
32 17 23 09-0001 EA Pavement Striping Minimum Charge.....	274.89	
32 17 23 13 Painted Pavement Markings <small>(32 17 23)</small>		
32 17 23 13-0001 Striping, Letters, Symbols And Markers for Roads And Airports <small>(32 17 23 13)</small>		
<i>Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.</i>		
32 17 23 13-0002 Epoxy Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
<i>Note: 15 mil thickness.</i>		
32 17 23 13-0003 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.40	
<i>For 20 Mil Thickness, Add</i>		
	0.12	
<i>For Up To 1 Mile, Add</i>		
	0.08	
<i>For >5 Miles, Deduct</i>		
	-0.06	
<i>For Broken Line (25% Solid), Deduct</i>		
	-0.17	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.54	
<i>For 20 Mil Thickness, Add</i>		
	0.16	
<i>For Up To 1 Mile, Add</i>		
	0.11	
<i>For >5 Miles, Deduct</i>		
	-0.08	
<i>For Broken Line (25% Solid), Deduct</i>		
	-0.26	

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32 17	Paving Specialties



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0005	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.67	
			<i>For 20 Mil Thickness, Add</i>	0.20	
			<i>For Up To 1 Mile, Add</i>	0.13	
			<i>For >5 Miles, Deduct</i>	-0.10	
			<i>For Broken Line (25% Solid), Deduct</i>	-0.31	
32 17 23 13-0006	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.01	
			<i>For 20 Mil Thickness, Add</i>	0.30	
			<i>For Up To 1 Mile, Add</i>	0.20	
			<i>For >5 Miles, Deduct</i>	-0.15	
			<i>For Broken Line (25% Solid), Deduct</i>	-0.50	
32 17 23 13-0007	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.62	
			<i>For 20 Mil Thickness, Add</i>	0.19	
			<i>For Up To 1 Mile, Add</i>	0.12	
			<i>For >5 Miles, Deduct</i>	-0.09	
			<i>For Broken Line On One Side, Deduct</i>	-0.17	
			<i>For Double Broken Line, Deduct</i>	-0.34	
32 17 23 13-0008	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	0.87	
			<i>For 20 Mil Thickness, Add</i>	0.27	
			<i>For Up To 1 Mile, Add</i>	0.17	
			<i>For >5 Miles, Deduct</i>	-0.13	
			<i>For Broken Line On One Side, Deduct</i>	-0.25	
			<i>For Double Broken Line, Deduct</i>	-0.50	
32 17 23 13-0009	SF		Solid Area, Epoxy Reflective Pavement Marking.....	5.33	
			Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			<i>For 20 Mil Thickness, Add</i>	0.63	
32 17 23 13-0010	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.30	
			<i>For 20 Mil Thickness, Add</i>	0.32	
			<i>For <10, Add</i>	0.42	
			<i>For >50 To 100, Deduct</i>	-0.21	
			<i>For >100 To 200, Deduct</i>	-0.28	
			<i>For >200, Deduct</i>	-0.56	
32 17 23 13-0011	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	6.01	
			<i>For 20 Mil Thickness, Add</i>	0.82	
			<i>For <10, Add</i>	0.64	
			<i>For >50 To 100, Deduct</i>	-0.32	
			<i>For >100 To 200, Deduct</i>	-0.43	
			<i>For >200, Deduct</i>	-0.85	
32 17 23 13-0012	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	10.14	
			<i>For 20 Mil Thickness, Add</i>	1.41	
			<i>For <10, Add</i>	1.06	
			<i>For >50 To 100, Deduct</i>	-0.53	
			<i>For >100 To 200, Deduct</i>	-0.71	
			<i>For >200, Deduct</i>	-1.42	
32 17 23 13-0013	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	19.54	
			<i>For 20 Mil Thickness, Add</i>	2.58	
			<i>For <10, Add</i>	2.12	
			<i>For >50 To 100, Deduct</i>	-1.06	
			<i>For >100 To 200, Deduct</i>	-1.42	
			<i>For >200, Deduct</i>	-2.83	
32 17 23 13-0014	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	22.86	
			<i>For 20 Mil Thickness, Add</i>	3.21	
			<i>For <10, Add</i>	2.38	
			<i>For >50 To 100, Deduct</i>	-1.19	
			<i>For >100 To 200, Deduct</i>	-1.59	
			<i>For >200, Deduct</i>	-3.17	
32 17 23 13-0015	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	41.01	
			<i>For 20 Mil Thickness, Add</i>	5.83	
			<i>For <10, Add</i>	4.24	
			<i>For >50 To 100, Deduct</i>	-2.12	
			<i>For >100 To 200, Deduct</i>	-2.82	
			<i>For >200, Deduct</i>	-5.65	
32 17 23 13-0016	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	54.73	
			<i>For 20 Mil Thickness, Add</i>	7.71	
			<i>For <10, Add</i>	5.69	
			<i>For >50 To 100, Deduct</i>	-2.84	
			<i>For >100 To 200, Deduct</i>	-3.79	
			<i>For >200, Deduct</i>	-7.58	
32 17 23 13-0017	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	84.50	
			<i>For 20 Mil Thickness, Add</i>	15.11	
			<i>For <10, Add</i>	7.05	
			<i>For >50 To 100, Deduct</i>	-3.52	
			<i>For >100 To 200, Deduct</i>	-4.70	
			<i>For >200, Deduct</i>	-9.40	
32 17 23 13-0018	SF		Letter/Number, Epoxy Reflective Pavement Marking.....	5.47	
			<i>For 20 Mil Thickness, Add</i>	0.64	
32 17 23 13-0019	SF		Symbols, Epoxy Reflective Pavement Marking.....	6.91	
			Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0020			Alkyd/Solvent Based/Latex Reflective Pavement Marking <small>(32 17 23 13-0001)</small>		
			Note: 15 mil thickness.		
32 17 23 13-0021	LF		Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.22	
			Note: Includes solvent based and latex paints.		
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
			<i>For Broken Line (25% Solid), Deduct</i>	-0.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0022 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....0.27 Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
<i>For Broken Line (25% Solid), Deduct</i>	-0.05	
32 17 23 13-0023 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....0.35 Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
<i>For Broken Line (25% Solid), Deduct</i>	-0.07	
32 17 23 13-0024 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....0.47 Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line (25% Solid), Deduct</i>	-0.10	
32 17 23 13-0025 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....0.31 Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.06	
<i>For >5 Miles, Deduct</i>	-0.05	
<i>For Broken Line On One Side, Deduct</i>	-0.03	
<i>For Double Broken Line, Deduct</i>	-0.07	
32 17 23 13-0026 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....0.47 Note: Includes solvent based and latex paints.		
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.10	
32 17 23 13-0027 SF Solid Area, Painted Reflective Pavement Striping .....4.25 Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0028 EA 6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking.....3.09 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	0.42	
<i>For >50 To 100, Deduct</i>	-0.21	
<i>For >100 To 200, Deduct</i>	-0.28	
<i>For >200, Deduct</i>	-0.56	
32 17 23 13-0029 EA 12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking.....5.23 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	0.64	
<i>For >50 To 100, Deduct</i>	-0.32	
<i>For >100 To 200, Deduct</i>	-0.43	
<i>For >200, Deduct</i>	-0.85	
32 17 23 13-0030 EA 24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking.....8.77 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	1.06	
<i>For >50 To 100, Deduct</i>	-0.53	
<i>For >100 To 200, Deduct</i>	-0.71	
<i>For >200, Deduct</i>	-1.42	
32 17 23 13-0031 EA 36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking.....17.13 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	2.12	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100 To 200, Deduct</i>	-1.42	
<i>For >200, Deduct</i>	-2.83	
32 17 23 13-0032 EA 48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking.....19.73 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	2.38	
<i>For >50 To 100, Deduct</i>	-1.19	
<i>For >100 To 200, Deduct</i>	-1.59	
<i>For >200, Deduct</i>	-3.17	
32 17 23 13-0033 EA 72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking.....35.30 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	4.24	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100 To 200, Deduct</i>	-2.82	
<i>For >200, Deduct</i>	-5.65	
32 17 23 13-0034 EA 96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking.....47.21 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	5.69	
<i>For >50 To 100, Deduct</i>	-2.84	
<i>For >100 To 200, Deduct</i>	-3.79	
<i>For >200, Deduct</i>	-7.58	
32 17 23 13-0035 EA 120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking.....67.73 Note: Includes solvent based and latex paints.		
<i>For <10, Add</i>	7.05	
<i>For >50 To 100, Deduct</i>	-3.52	
<i>For >100 To 200, Deduct</i>	-4.70	
<i>For >200, Deduct</i>	-9.40	
32 17 23 13-0036 SF Letter/Number, Painted Reflective Pavement Marking .....4.93 Note: Includes solvent based and latex paints.		
32 17 23 13-0037 SF Symbols, Painted Reflective Pavement Marking .....5.89 Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		
32 17 23 13-0038 Pavement Marking (CALTRAN) <small>(32 17 23 13)</small>		
Note: Per LF of detail.		
32 17 23 13-0039 LF CALTRAN Detail 1 Centerline, Painted Reflective Pavement Striping.....0.19		
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	

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32 10	Bases, Ballasts, And Paving
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0040 LF CALTRAN Detail 2 Centerline, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0041 LF CALTRAN Detail 4 Centerline.....	0.45	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0042 LF CALTRAN Detail 5 Centerline, Painted Reflective Pavement Striping.....	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0043 LF CALTRAN Detail 6 Centerline, Painted Reflective Pavement Striping.....	0.25	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0044 LF CALTRAN Detail 7 Centerline.....	0.32	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0045 LF CALTRAN Detail 8 Lanelines, Painted Reflective Pavement Striping.....	0.19	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0046 LF CALTRAN Detail 9 Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0047 LF CALTRAN Detail 10 Lanelines.....	0.45	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0048 LF CALTRAN Detail 11 Lanelines, Painted Reflective Pavement Striping.....	0.18	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0049 LF CALTRAN Detail 12 Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0050 LF CALTRAN Detail 13 Lanelines.....	0.32	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0051 LF CALTRAN Detail 14 Lanelines.....	0.32	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0052 LF CALTRAN Detail 14A Lanelines, Painted Reflective Pavement Striping	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0053 LF CALTRAN Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.05	
32 17 23 13-0054 LF CALTRAN Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.46	
For Up To 1 Mile, Add	0.09	
For >5 Miles, Deduct	-0.07	
32 17 23 13-0055 LF CALTRAN Detail 17 No Passing Zones-One Direction Lanelines.....	1.27	
For Up To 1 Mile, Add	0.25	
For >5 Miles, Deduct	-0.19	
32 17 23 13-0056 LF CALTRAN Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.24	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.03	
For Double Broken Line, Deduct	-0.05	
32 17 23 13-0057 LF CALTRAN Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping.....	0.40	
For Up To 1 Mile, Add	0.08	
For >5 Miles, Deduct	-0.06	
32 17 23 13-0058 LF CALTRAN Detail 20 No Passing Zones-One Direction Lanelines.....	1.09	
For Up To 1 Mile, Add	0.22	
For >5 Miles, Deduct	-0.16	
32 17 23 13-0059 LF CALTRAN Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.27	
For Up To 1 Mile, Add	0.05	
For >5 Miles, Deduct	-0.04	
For Broken Line On One Side, Deduct	-0.04	
For Double Broken Line, Deduct	-0.08	
32 17 23 13-0060 LF CALTRAN Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping.....	0.50	
For Up To 1 Mile, Add	0.10	
For >5 Miles, Deduct	-0.08	
32 17 23 13-0061 LF CALTRAN Detail 23 No Passing Zones-Two Direction Lanelines.....	1.52	
For Up To 1 Mile, Add	0.30	
For >5 Miles, Deduct	-0.23	
32 17 23 13-0062 LF CALTRAN Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.22	
For Up To 1 Mile, Add	0.04	
For >5 Miles, Deduct	-0.03	
32 17 23 13-0063 LF CALTRAN Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.28	
For Up To 1 Mile, Add	0.06	
For >5 Miles, Deduct	-0.04	
32 17 23 13-0064 LF CALTRAN Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.33	
For Up To 1 Mile, Add	0.07	
For >5 Miles, Deduct	-0.05	
32 17 23 13-0065 LF CALTRAN Detail 26 Left Edgelines	0.06	
For Up To 1 Mile, Add	0.01	
For >5 Miles, Deduct	-0.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0066 LF CALTRAN Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.33	
<i>For Up To 1 Mile, Add</i>	0.07	
<i>For >5 Miles, Deduct</i>	-0.05	
32 17 23 13-0067 LF CALTRAN Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.22	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0068 LF CALTRAN Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping.....	0.18	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0069 LF CALTRAN Detail 28 Median Islands, Painted Reflective Pavement Striping.....	0.55	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
<i>For Broken Line On One Side, Deduct</i>	-0.08	
<i>For Double Broken Line, Deduct</i>	-0.16	
32 17 23 13-0070 LF CALTRAN Detail 29 Median Islands, Painted Reflective Pavement Striping.....	0.77	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.12	
32 17 23 13-0071 LF CALTRAN Detail 30 Median Islands.....	3.06	
<i>For Up To 1 Mile, Add</i>	0.61	
<i>For >5 Miles, Deduct</i>	-0.46	
32 17 23 13-0072 LF CALTRAN Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.47	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.10	
32 17 23 13-0073 LF CALTRAN Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping.....	0.75	
<i>For Up To 1 Mile, Add</i>	0.15	
<i>For >5 Miles, Deduct</i>	-0.11	
32 17 23 13-0074 LF CALTRAN Detail 33 Two-Way Left Turn Lanes.....	2.10	
<i>For Up To 1 Mile, Add</i>	0.42	
<i>For >5 Miles, Deduct</i>	-0.32	
32 17 23 13-0075 LF CALTRAN Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.40	
<i>For Up To 1 Mile, Add</i>	0.08	
<i>For >5 Miles, Deduct</i>	-0.06	
32 17 23 13-0076 LF CALTRAN Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.24	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0077 LF CALTRAN Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	0.46	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0078 LF CALTRAN Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.24	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0079 LF CALTRAN Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	0.92	
<i>For Up To 1 Mile, Add</i>	0.18	
<i>For >5 Miles, Deduct</i>	-0.14	
32 17 23 13-0080 LF CALTRAN Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	0.63	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.09	
32 17 23 13-0081 LF CALTRAN Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	0.67	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.10	
32 17 23 13-0082 LF CALTRAN Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0083 LF CALTRAN Detail 37A Lane Drop At Exit Ramps	1.02	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0084 LF CALTRAN Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0085 LF CALTRAN Detail 37C Lane Drop At Intersections	1.02	
<i>For Up To 1 Mile, Add</i>	0.20	
<i>For >5 Miles, Deduct</i>	-0.15	
32 17 23 13-0086 LF CALTRAN Detail 38 Channelizing Line, Painted Reflective Pavement Striping	0.56	
<i>For Up To 1 Mile, Add</i>	0.11	
<i>For >5 Miles, Deduct</i>	-0.08	
32 17 23 13-0087 LF CALTRAN Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.45	
<i>For Up To 1 Mile, Add</i>	0.09	
<i>For >5 Miles, Deduct</i>	-0.07	
32 17 23 13-0088 LF CALTRAN Detail 38B Channelizing Line, Painted Reflective Pavement Striping	0.67	
<i>For Up To 1 Mile, Add</i>	0.13	
<i>For >5 Miles, Deduct</i>	-0.10	
32 17 23 13-0089 LF CALTRAN Detail 38C Channelizing Line.....	1.52	
<i>For Up To 1 Mile, Add</i>	0.30	
<i>For >5 Miles, Deduct</i>	-0.23	
32 17 23 13-0090 LF CALTRAN Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.27	
<i>For Up To 1 Mile, Add</i>	0.05	
<i>For >5 Miles, Deduct</i>	-0.04	
32 17 23 13-0091 LF CALTRAN Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.22	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0092 LF CALTRAN Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.18	
<i>For Up To 1 Mile, Add</i>	0.04	
<i>For >5 Miles, Deduct</i>	-0.03	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0093	LF		CALTRAN Detail 40A Lane Line Extensions Through Intersections	0.78	
			<i>For Up To 1 Mile, Add</i>	0.16	
			<i>For >5 Miles, Deduct</i>	-0.12	
32 17 23 13-0094	LF		CALTRAN Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.18	
			<i>For Up To 1 Mile, Add</i>	0.04	
			<i>For >5 Miles, Deduct</i>	-0.03	
32 17 23 13-0095	LF		CALTRAN Detail 41A Center Line Extensions Through Intersections	0.78	
			<i>For Up To 1 Mile, Add</i>	0.16	
			<i>For >5 Miles, Deduct</i>	-0.12	
32 17 23 13-0096	EA		CALTRAN 10' Arrow, Type I, Painted Reflective Pavement Marking.....	78.40	
			<i>For <10, Add</i>	10.31	
			<i>For >50 To 100, Deduct</i>	-5.15	
			<i>For >100 To 200, Deduct</i>	-6.87	
			<i>For >200, Deduct</i>	-13.74	
32 17 23 13-0097	EA		CALTRAN 18' Arrow, Type I, Painted Reflective Pavement Marking.....	137.55	
			<i>For <10, Add</i>	18.04	
			<i>For >50 To 100, Deduct</i>	-9.02	
			<i>For >100 To 200, Deduct</i>	-12.02	
			<i>For >200, Deduct</i>	-24.05	
32 17 23 13-0098	EA		CALTRAN 24' Arrow, Type I, Painted Reflective Pavement Marking.....	172.62	
			<i>For <10, Add</i>	22.67	
			<i>For >50 To 100, Deduct</i>	-11.34	
			<i>For >100 To 200, Deduct</i>	-15.12	
			<i>For >200, Deduct</i>	-30.23	
32 17 23 13-0099	EA		CALTRAN 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking.....	251.03	
			<i>For <10, Add</i>	32.98	
			<i>For >50 To 100, Deduct</i>	-16.49	
			<i>For >100 To 200, Deduct</i>	-21.99	
			<i>For >200, Deduct</i>	-43.97	
32 17 23 13-0100	EA		CALTRAN 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking.....	329.43	
			<i>For <10, Add</i>	43.29	
			<i>For >50 To 100, Deduct</i>	-21.64	
			<i>For >100 To 200, Deduct</i>	-28.86	
			<i>For >200, Deduct</i>	-57.71	
32 17 23 13-0101	EA		CALTRAN 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	231.77	
			<i>For <10, Add</i>	30.40	
			<i>For >50 To 100, Deduct</i>	-15.20	
			<i>For >100 To 200, Deduct</i>	-20.27	
			<i>For >200, Deduct</i>	-40.54	
32 17 23 13-0102	EA		CALTRAN 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking.....	404.40	
			<i>For <10, Add</i>	53.08	
			<i>For >50 To 100, Deduct</i>	-26.54	
			<i>For >100 To 200, Deduct</i>	-35.38	
			<i>For >200, Deduct</i>	-70.77	
32 17 23 13-0103	EA		CALTRAN 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking.....	82.53	
			<i>For <10, Add</i>	10.82	
			<i>For >50 To 100, Deduct</i>	-5.41	
			<i>For >100 To 200, Deduct</i>	-7.21	
			<i>For >200, Deduct</i>	-14.43	
32 17 23 13-0104	EA		CALTRAN 24' Arrow, Type V, Painted Reflective Pavement Marking	180.88	
			<i>For <10, Add</i>	23.70	
			<i>For >50 To 100, Deduct</i>	-11.85	
			<i>For >100 To 200, Deduct</i>	-15.80	
			<i>For >200, Deduct</i>	-31.61	
32 17 23 13-0105	EA		CALTRAN 18' Arrow, Type VI, Painted Reflective Pavement Marking	231.77	
			<i>For <10, Add</i>	30.40	
			<i>For >50 To 100, Deduct</i>	-15.20	
			<i>For >100 To 200, Deduct</i>	-20.27	
			<i>For >200, Deduct</i>	-40.54	
32 17 23 13-0106	EA		CALTRAN 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking.....	149.35	
			<i>For <10, Add</i>	19.58	
			<i>For >50 To 100, Deduct</i>	-9.79	
			<i>For >100 To 200, Deduct</i>	-13.05	
			<i>For >200, Deduct</i>	-26.11	
32 17 23 13-0107	EA		CALTRAN 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	196.70	
			<i>For <10, Add</i>	25.77	
			<i>For >50 To 100, Deduct</i>	-12.88	
			<i>For >100 To 200, Deduct</i>	-17.18	
			<i>For >200, Deduct</i>	-34.35	
32 17 23 13-0108	EA		CALTRAN 5' Arrow, Bike Lane, Painted Reflective Pavement Marking.....	39.21	
			<i>For <10, Add</i>	5.15	
			<i>For >50 To 100, Deduct</i>	-2.58	
			<i>For >100 To 200, Deduct</i>	-3.44	
			<i>For >200, Deduct</i>	-6.87	
32 17 23 13-0109	EA		CALTRAN Railroad Crossing Symbol, Painted Reflective Pavement Marking	374.84	
			Note: Excludes variable width transverse lines.		
			<i>For <10, Add</i>	48.95	
			<i>For >50 To 100, Deduct</i>	-24.48	
			<i>For >100 To 200, Deduct</i>	-32.64	
			<i>For >200, Deduct</i>	-65.27	
32 17 23 13-0110	SF		CALTRAN Solid Area, Painted Reflective Pavement Marking.....	4.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0111 EA CALTRAN Bike Lane Symbol Without Person, Painted Reflective Pavement Marking.....	36.55	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.71	
For >50 To 100, Deduct	-1.86	
For >100 To 200, Deduct	-2.47	
For >200, Deduct	-4.95	
32 17 23 13-0112 EA CALTRAN Bike Lane Symbol With Person, Painted Reflective Pavement Marking.....	38.72	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.92	
For >50 To 100, Deduct	-1.96	
For >100 To 200, Deduct	-2.61	
For >200, Deduct	-5.22	
32 17 23 13-0113 EA CALTRAN Diamond Symbol, Painted Reflective Pavement Marking.....	62.58	
For <10, Add	8.24	
For >50 To 100, Deduct	-4.12	
For >100 To 200, Deduct	-5.50	
For >200, Deduct	-10.99	
32 17 23 13-0114 EA CALTRAN International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking.....	127.23	
For <10, Add	16.70	
For >50 To 100, Deduct	-8.35	
For >100 To 200, Deduct	-11.13	
For >200, Deduct	-22.26	
32 17 23 13-0115 EA CALTRAN Bike Loop Detector Symbol, Painted Reflective Pavement Marking.....	27.44	
Note: Approximate overall dimensions: 4' width x 8' height.		
For <10, Add	3.92	
For >50 To 100, Deduct	-1.96	
For >100 To 200, Deduct	-2.61	
For >200, Deduct	-5.22	
32 17 23 13-0116 SF CALTRAN Letter/Number, Painted Reflective Pavement Marking.....	4.95	
32 17 23 13-0117 SF CALTRAN Symbols, Painted Reflective Pavement Marking.....	5.50	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0118 Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 13)		
32 17 23 13-0119 Painted Pavement Marking For Parking Areas (32 17 23 13-0118)		
32 17 23 13-0120 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.84	
32 17 23 13-0121 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.92	
32 17 23 13-0122 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	0.97	
32 17 23 13-0123 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.08	
32 17 23 13-0124 SF Solid Area, Painted Pavement Marking For Parking Areas.....	4.27	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0125 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.00	
For Up To 10, Add	0.41	
For >50 To 100, Deduct	-0.21	
For >100 To 200, Deduct	-0.27	
For >200, Deduct	-0.55	
32 17 23 13-0126 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	5.06	
For Up To 10, Add	0.62	
For >50 To 100, Deduct	-0.31	
For >100 To 200, Deduct	-0.41	
For >200, Deduct	-0.82	
32 17 23 13-0127 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.52	
For Up To 10, Add	1.03	
For >50 To 100, Deduct	-0.52	
For >100 To 200, Deduct	-0.69	
For >200, Deduct	-1.38	
32 17 23 13-0128 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	15.93	
For Up To 10, Add	1.96	
For >50 To 100, Deduct	-0.98	
For >100 To 200, Deduct	-1.31	
For >200, Deduct	-2.61	
32 17 23 13-0129 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	21.17	
For Up To 10, Add	2.68	
For >50 To 100, Deduct	-1.34	
For >100 To 200, Deduct	-1.79	
For >200, Deduct	-3.57	
32 17 23 13-0130 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	25.72	
For Up To 10, Add	3.30	
For >50 To 100, Deduct	-1.65	
For >100 To 200, Deduct	-2.20	
For >200, Deduct	-4.40	
32 17 23 13-0131 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	34.32	
For Up To 10, Add	4.12	
For >50 To 100, Deduct	-2.06	
For >100 To 200, Deduct	-2.75	
For >200, Deduct	-5.50	
32 17 23 13-0132 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	60.59	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0133 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	69.01	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0134 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	97.54	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0135 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	99.48	
Note: Approximate overall dimensions: 7' width x 13' height.		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0136	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	129.36	
			Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0137	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas	24.97	
			Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	18.18	
			For Blue Background With White Symbol And Border, Add	22.72	
32 17 23 13-0138	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	36.23	
			Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			For Blue Background With White Symbol, Add	36.83	
			For Blue Background With White Symbol And Border, Add	46.04	
32 17 23 13-0139			Painted Curbs (32 17 23 13)		
32 17 23 13-0140	LF		Reflective Painted Curb	1.85	
32 17 23 13-0141	LF		Reflective Painted Curb And Gutter	3.36	
32 17 23 13-0142	LF		Painted Curb, Any Color	1.49	
32 17 23 13-0143	LF		Painted Curb And Gutter, Any Color	2.96	
32 17 23 13-0144			Markings For Outdoor Play Areas, Courts (32 17 23 13)		
32 17 23 13-0145	LF		2" Wide Marking For Outdoor Play Areas	0.71	
32 17 23 13-0146	LF		3" Wide Marking For Outdoor Play Areas	0.80	
32 17 23 13-0147	LF		4" Wide Marking For Outdoor Play Areas	0.91	
32 17 23 13-0148	LF		6" Wide Marking For Outdoor Play Areas	1.06	
32 17 23 13-0149	EA		Paint Playground Game Lines On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	232.83	
32 17 23 23			Raised Pavement Markings (32 17 23)		
32 17 23 23-0001			Recessed (Plowable) Pavement Markers (32 17 23 23)		
32 17 23 23-0002	EA		One-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	66.55	
32 17 23 23-0003	EA		Two-Way Reflective, Recessed (Plowable) Pavement Marker With Center Rail	67.50	
32 17 23 23-0004	EA		Remove And Replace Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker.....	16.95	
32 17 23 23-0005	EA		Remove And Replace Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker.....	21.24	
32 17 23 23-0006	EA		Recessed Retroreflective Pavement Marker, Type G or H	66.55	
32 17 23 23-0007	EA		Recessed Retroreflective Pavement Marker, Type C or D	67.50	
32 17 23 23-0008	EA		Remove Recessed (Plowable) Pavement Marker.....	2.30	
32 17 23 23-0009			Raised Pavement Markers (RPMs) (32 17 23 23)		
32 17 23 23-0010	EA		One-Way Reflective, Raised Pavement Marker (RPM)	2.67	2.07
			For >100, Deduct	-0.27	
32 17 23 23-0011	EA		Two-Way Reflective, Raised Pavement Marker (RPM)	2.67	2.07
			For >100, Deduct	-0.27	
32 17 23 23-0012	EA		Round Reflective, Raised Pavement Marker	3.14	2.07
			For >100, Deduct	-0.31	
32 17 23 23-0013	EA		Non-Reflective, Raised Pavement Marker (RPM).....	3.38	2.07
			For >100, Deduct	-0.34	
32 17 23 33			Plastic Pavement Markings (32 17 23)		
32 17 23 33-0001			Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)		
			Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
32 17 23 33-0002			Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)		
			Note: 90 mil thickness.		
32 17 23 33-0003	LF		Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	0.85	
			For Up To 1 Mile, Add	0.17	
			For >5 Miles, Deduct	-0.13	
			For 60 mils Thick, Deduct	-0.11	
			For 125 mils Thick, Add	0.14	
			For Broken Line (25% Solid), Deduct	-0.47	
32 17 23 33-0004	LF		Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.22	
			For Up To 1 Mile, Add	0.24	
			For >5 Miles, Deduct	-0.18	
			For 60 mils Thick, Deduct	-0.17	
			For 125 mils Thick, Add	0.21	
			For Broken Line (25% Solid), Deduct	-0.71	
32 17 23 33-0005	LF		Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	1.60	
			For Up To 1 Mile, Add	0.32	
			For >5 Miles, Deduct	-0.24	
			For 60 mils Thick, Deduct	-0.22	
			For 125 mils Thick, Add	0.28	
			For Broken Line (25% Solid), Deduct	-0.95	
32 17 23 33-0006	LF		Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping.....	2.34	
			For Up To 1 Mile, Add	0.47	
			For >5 Miles, Deduct	-0.35	
			For 60 mils Thick, Deduct	-0.33	
			For 125 mils Thick, Add	0.43	
			For Broken Line (25% Solid), Deduct	-1.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0007 LF Double 4" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	1.60	
<i>For Up To 1 Mile, Add</i>	0.32	
<i>For >5 Miles, Deduct</i>	-0.24	
<i>For 60 mils Thick, Deduct</i>	-0.22	
<i>For 125 mils Thick, Add</i>	0.28	
<i>For Broken Line On One Side, Deduct</i>	-0.47	
<i>For Double Broken Line, Deduct</i>	-0.95	
32 17 23 33-0008 LF Double 6" Wide Solid Lines, Thermoplastic Reflective Pavement Striping	2.34	
<i>For Up To 1 Mile, Add</i>	0.47	
<i>For >5 Miles, Deduct</i>	-0.35	
<i>For 60 mils Thick, Deduct</i>	-0.33	
<i>For 125 mils Thick, Add</i>	0.43	
<i>For Broken Line On One Side, Deduct</i>	-0.71	
<i>For Double Broken Line, Deduct</i>	-1.43	
32 17 23 33-0009 SF Solid Area, Thermoplastic Reflective Pavement Marking	6.01	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
<i>For 60 mils Thick, Deduct</i>	-0.33	
<i>For 125 mils Thick, Add</i>	0.43	
32 17 23 33-0010 EA 6" High, Letter/Number, Thermoplastic Reflective Pavement Marking	4.06	
<i>For Up To 10, Add</i>	0.46	
<i>For >50 To 100, Deduct</i>	-0.23	
<i>For >100 To 200, Deduct</i>	-0.31	
<i>For >200, Deduct</i>	-0.62	
<i>For 60 mils Thick, Deduct</i>	-0.17	
<i>For 125 mils Thick, Add</i>	0.22	
32 17 23 33-0011 EA 12" High, Letter/Number, Thermoplastic Reflective Pavement Marking	8.17	
<i>For Up To 10, Add</i>	0.70	
<i>For >50 To 100, Deduct</i>	-0.35	
<i>For >100 To 200, Deduct</i>	-0.47	
<i>For >200, Deduct</i>	-0.93	
<i>For 60 mils Thick, Deduct</i>	-0.61	
<i>For 125 mils Thick, Add</i>	0.79	
32 17 23 33-0012 EA 24" High, Letter/Number, Thermoplastic Reflective Pavement Marking	13.89	
<i>For Up To 10, Add</i>	1.17	
<i>For >50 To 100, Deduct</i>	-0.58	
<i>For >100 To 200, Deduct</i>	-0.78	
<i>For >200, Deduct</i>	-1.55	
<i>For 60 mils Thick, Deduct</i>	-1.07	
<i>For 125 mils Thick, Add</i>	1.38	
32 17 23 33-0013 EA 36" High, Letter/Number, Thermoplastic Reflective Pavement Marking	26.36	
<i>For Up To 10, Add</i>	2.34	
<i>For >50 To 100, Deduct</i>	-1.17	
<i>For >100 To 200, Deduct</i>	-1.56	
<i>For >200, Deduct</i>	-3.12	
<i>For 60 mils Thick, Deduct</i>	-1.88	
<i>For 125 mils Thick, Add</i>	2.42	
32 17 23 33-0014 EA 48" High, Letter/Number, Thermoplastic Reflective Pavement Marking	31.45	
<i>For Up To 10, Add</i>	2.62	
<i>For >50 To 100, Deduct</i>	-1.31	
<i>For >100 To 200, Deduct</i>	-1.75	
<i>For >200, Deduct</i>	-3.49	
<i>For 60 mils Thick, Deduct</i>	-2.45	
<i>For 125 mils Thick, Add</i>	3.15	
32 17 23 33-0015 EA 72" High, Letter/Number, Thermoplastic Reflective Pavement Marking	56.63	
<i>For Up To 10, Add</i>	4.66	
<i>For >50 To 100, Deduct</i>	-2.33	
<i>For >100 To 200, Deduct</i>	-3.11	
<i>For >200, Deduct</i>	-6.21	
<i>For 60 mils Thick, Deduct</i>	-4.47	
<i>For 125 mils Thick, Add</i>	5.75	
32 17 23 33-0016 EA 96" High, Letter/Number, Thermoplastic Reflective Pavement Marking	75.35	
<i>For Up To 10, Add</i>	6.26	
<i>For >50 To 100, Deduct</i>	-3.13	
<i>For >100 To 200, Deduct</i>	-4.17	
<i>For >200, Deduct</i>	-8.34	
<i>For 60 mils Thick, Deduct</i>	-5.89	
<i>For 125 mils Thick, Add</i>	7.57	
32 17 23 33-0017 EA 120" High, Letter/Number, Thermoplastic Reflective Pavement Marking	126.75	
<i>For Up To 10, Add</i>	7.75	
<i>For >50 To 100, Deduct</i>	-3.87	
<i>For >100 To 200, Deduct</i>	-5.17	
<i>For >200, Deduct</i>	-10.33	
<i>For 60 mils Thick, Deduct</i>	-13.14	
<i>For 125 mils Thick, Add</i>	16.90	
32 17 23 33-0018 SF Letter/Number, Thermoplastic Reflective Pavement Marking	7.09	
<i>For 60 mils Thick, Deduct</i>	-0.42	
<i>For 125 mils Thick, Add</i>	0.54	
32 17 23 33-0019 SY Cross Hatch, Thermoplastic Reflective Pavement Marking	47.89	
<i>For 60 mils Thick, Deduct</i>	-2.97	
<i>For 125 mils Thick, Add</i>	3.82	
32 17 23 33-0020 EA Handicap Symbol, Thermoplastic Reflective Pavement Marking	186.88	
<i>For 60 mils Thick, Deduct</i>	-9.75	
<i>For 125 mils Thick, Add</i>	12.54	
32 17 23 33-0021 SY Solid Area, Thermoplastic Reflective Pavement Marking	58.75	
<i>For 60 mils Thick, Deduct</i>	-2.97	
<i>For 125 mils Thick, Add</i>	3.82	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0022 EA Railroad Symbol, Thermoplastic Reflective Pavement Marking.....	554.33	
For 60 mils Thick, Deduct	-29.67	
For 125 mils Thick, Add	38.15	
32 17 23 33-0023 EA Bike Lane Symbol, Thermoplastic Reflective Pavement Marking.....	104.24	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-13.43	
For 125 mils Thick, Add	17.27	
32 17 23 33-0024 EA Diamond Symbol, Thermoplastic Reflective Pavement Marking.....	89.38	
For 60 mils Thick, Deduct	-4.66	
For 125 mils Thick, Add	6.00	
32 17 23 33-0025 SF Symbols, Thermoplastic Reflective Pavement Marking.....	8.12	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.42	
For 125 mils Thick, Add	0.54	
32 17 23 33-0026 EA 10' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	113.74	
For 60 mils Thick, Deduct	-5.93	
For 125 mils Thick, Add	7.63	
32 17 23 33-0027 EA 18' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	203.12	
For 60 mils Thick, Deduct	-10.60	
For 125 mils Thick, Add	13.63	
32 17 23 33-0028 EA 24' Arrow, Type I, Thermoplastic Reflective Pavement Marking.....	251.87	
For 60 mils Thick, Deduct	-13.14	
For 125 mils Thick, Add	16.90	
32 17 23 33-0029 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, Thermoplastic Reflective Pavement Marking.....	365.63	
For 60 mils Thick, Deduct	-19.08	
For 125 mils Thick, Add	24.53	
32 17 23 33-0030 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, Thermoplastic Reflective Pavement Marking.....	479.38	
For 60 mils Thick, Deduct	-25.01	
For 125 mils Thick, Add	32.16	
32 17 23 33-0031 EA 24' Arrow Single (L or R) Turn Arrow, Type III, Thermoplastic Reflective Pavement Marking.....	341.25	
For 60 mils Thick, Deduct	-17.80	
For 125 mils Thick, Add	22.89	
32 17 23 33-0032 EA 24' Arrow Both (L and R) Turn Arrows, Type III, Thermoplastic Reflective Pavement Marking.....	593.13	
For 60 mils Thick, Deduct	-30.95	
For 125 mils Thick, Add	39.79	
32 17 23 33-0033 EA 8' Turn Arrow (L or R), Type IV, Thermoplastic Reflective Pavement Marking.....	121.88	
For 60 mils Thick, Deduct	-6.36	
For 125 mils Thick, Add	8.18	
32 17 23 33-0034 EA 24' Arrow, Type V, Thermoplastic Reflective Pavement Marking.....	268.13	
For 60 mils Thick, Deduct	-13.99	
For 125 mils Thick, Add	17.99	
32 17 23 33-0035 EA 18' Arrow, Type VI, Thermoplastic Reflective Pavement Marking.....	341.25	
For 60 mils Thick, Deduct	-17.80	
For 125 mils Thick, Add	22.89	
32 17 23 33-0036 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, Thermoplastic Reflective Pavement Marking.....	219.38	
For 60 mils Thick, Deduct	-11.45	
For 125 mils Thick, Add	14.72	
32 17 23 33-0037 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Thermoplastic Reflective Pavement Marking.....	292.50	
For 60 mils Thick, Deduct	-15.26	
For 125 mils Thick, Add	19.62	
32 17 23 33-0038 EA 5' Arrow, Bike Lane, Thermoplastic Reflective Pavement Marking.....	56.88	
For 60 mils Thick, Deduct	-2.97	
For 125 mils Thick, Add	3.82	
32 17 23 33-0039 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)	2.08	
32 17 23 33-0040 LF Single 4" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.08	
For 60 mils Thick, Deduct	-0.11	
For 125 mils Thick, Add	0.14	
32 17 23 33-0041 LF Single 6" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	2.61	
For 60 mils Thick, Deduct	-0.17	
For 125 mils Thick, Add	0.21	
32 17 23 33-0042 LF Single 8" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	3.19	
For 60 mils Thick, Deduct	-0.22	
For 125 mils Thick, Add	0.28	
32 17 23 33-0043 LF Single 12" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	4.57	
For 60 mils Thick, Deduct	-0.33	
For 125 mils Thick, Add	0.43	
32 17 23 33-0044 LF Single 24" Wide Solid Line, Thermoplastic Reflective Pavement Striping By Hand For Repairs.....	8.13	
For 60 mils Thick, Deduct	-0.66	
For 125 mils Thick, Add	0.85	
32 17 23 33-0045 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0046 LF Single 4" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	1.78	
For Up To 1 Mile, Add	0.36	
For >5 Miles, Deduct	-0.27	
32 17 23 33-0047 LF Single 6" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	2.62	
For Up To 1 Mile, Add	0.52	
For >5 Miles, Deduct	-0.39	
32 17 23 33-0048 LF Single 8" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping.....	3.48	
For Up To 1 Mile, Add	0.70	
For >5 Miles, Deduct	-0.52	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0049 LF Single 12" Wide Solid Line, Preformed Tape, Patterned Thermoplastic Reflective Pavement Striping	5.14	
<i>For Up To 1 Mile, Add</i>	1.03	
<i>For >5 Miles, Deduct</i>	-0.77	
32 17 23 33-0050 SF Preformed Solid Area, Patterned Thermoplastic Reflective Pavement Marking Tape	14.92	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 33-0051 EA 6" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	22.05	
<i>For <10, Add</i>	0.84	
<i>For >50 To 100, Deduct</i>	-0.42	
<i>For >100 To 200, Deduct</i>	-0.56	
<i>For >200, Deduct</i>	-1.13	
32 17 23 33-0052 EA 12" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	38.40	
<i>For <10, Add</i>	1.07	
<i>For >50 To 100, Deduct</i>	-0.54	
<i>For >100 To 200, Deduct</i>	-0.72	
<i>For >200, Deduct</i>	-1.43	
32 17 23 33-0053 EA 24" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	66.34	
<i>For <10, Add</i>	2.12	
<i>For >50 To 100, Deduct</i>	-1.06	
<i>For >100 To 200, Deduct</i>	-1.42	
<i>For >200, Deduct</i>	-2.83	
32 17 23 33-0054 EA 36" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	97.27	
<i>For <10, Add</i>	4.25	
<i>For >50 To 100, Deduct</i>	-2.12	
<i>For >100 To 200, Deduct</i>	-2.83	
<i>For >200, Deduct</i>	-5.66	
32 17 23 33-0055 EA 48" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	113.75	
<i>For <10, Add</i>	4.76	
<i>For >50 To 100, Deduct</i>	-2.38	
<i>For >100 To 200, Deduct</i>	-3.18	
<i>For >200, Deduct</i>	-6.35	
32 17 23 33-0056 EA 72" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	148.64	
<i>For <10, Add</i>	8.47	
<i>For >50 To 100, Deduct</i>	-4.24	
<i>For >100 To 200, Deduct</i>	-5.65	
<i>For >200, Deduct</i>	-11.29	
32 17 23 33-0057 EA 96" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	190.27	
<i>For <10, Add</i>	11.38	
<i>For >50 To 100, Deduct</i>	-5.69	
<i>For >100 To 200, Deduct</i>	-7.59	
<i>For >200, Deduct</i>	-15.17	
32 17 23 33-0058 EA 120" High, Preformed Letter/Number, Patterned Thermoplastic Reflective Pavement Marking Tape	238.28	
<i>For <10, Add</i>	14.10	
<i>For >50 To 100, Deduct</i>	-7.05	
<i>For >100 To 200, Deduct</i>	-9.40	
<i>For >200, Deduct</i>	-18.80	
32 17 23 33-0059 SF Preformed Arrow, Patterned Thermoplastic Reflective Pavement Marking Tape	15.47	
32 17 23 33-0060 SF Preformed Symbol, Patterned Thermoplastic Reflective Pavement Marking Tape	16.50	
Note: Handicap, railroad, diamond symbol, etc.		
32 17 23 33-0061 Preformed, Thermoplastic Reflective Pavement Marking <small>(32 17 23 33-0001)</small>		
Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0062 EA Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	108.70	
Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0063 EA Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	285.56	
Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0064 EA Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	69.43	
Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0065 EA 6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	64.01	
Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0066 EA 9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	103.69	
Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0067 EA 4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	70.10	
Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0068 EA 8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	112.62	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0069 EA Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	176.57	
Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0070 EA Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	253.32	
Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0071 EA Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	110.43	
Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0072 EA Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	119.36	
Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0073 EA Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	197.50	
Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0074 EA Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	184.14	
Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0075 EA Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	186.19	
Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0076 EA Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape	240.05	
Note: Approximate overall dimensions: 5-1/2' width x 18' height.		

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 17	Paving Specialties



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0077		Pavement Marking (Monterey County) (32 17 23 33-0001)		
32 17 23 33-0078	SF	Thermoplastic Pavement Marking (Monterey County).....	6.22	
32 17 23 33-0079		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas (32 17 23 33)		
32 17 23 33-0080		Thermoplastic Pavement Marking Tape For Parking Areas (32 17 23 33-0079) Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0081	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	42.48	
32 17 23 33-0082	EA	Note: White or blue symbol. Excludes striping. 39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	128.91	
32 17 23 33-0083	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	79.15	
32 17 23 33-0084	EA	Note: White symbol on blue background. Excludes striping. 45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	93.12	
32 17 23 33-0085	EA	Note: White symbol on blue background. Excludes striping. 48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	97.28	
32 17 26		Tactile Warning Surfaces (32 17)		
32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26) Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface..... Note: Includes surface preparation, adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	51.30	6.74
32 17 26 00-0003	SF	Cast In Place VPC Truncated Dome Detectable Warning Surface..... Note: Also raised strips or directional bars. All colors.	42.54	6.74
32 17 26 00-0004	EA	30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset.....	230.97	
32 17 26 00-0005	LF	24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete.....	55.28	13.46
32 17 26 00-0006		Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatelyStep TD) (32 17 26) Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)..... Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	45.88	6.74
32 17 26 00-0008	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT)..... Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.	39.81	6.74
32 18		Athletic And Recreational Surfacing (32 10)		
32 18 16		Synthetic Resilient Surfacing (32 18)		
32 18 16 13		Playground Protective Surfacing (32 18 16)		
32 18 16 13-0001		Tile Playground Surface Material (32 18 16 13) Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile.....	12.41	1.87
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.36	
		For Mechanically Fastened, Add	1.52	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile.....	12.76	1.98
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.36	
		For Mechanically Fastened, Add	1.59	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile.....	13.46	2.21
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.36	
		For Mechanically Fastened, Add	1.73	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile.....	14.16	2.45
		For Manufacturer's Standard Colors, Add	0.61	
		For Interlocking Tiles, Add	1.36	
		For Mechanically Fastened, Add	1.87	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile.....	15.74	2.68
		For Manufacturer's Standard Colors, Add	0.46	
		For Interlocking Tiles, Add	1.54	
		For Mechanically Fastened, Add	2.01	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0007 SF 3" Thick, Resilient Rubber Tile.....	16.51	2.94
<i>For Manufacturer's Standard Colors, Add</i>	0.46	
<i>For Interlocking Tiles, Add</i>	1.54	
<i>For Mechanically Fastened, Add</i>	2.16	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0008 SF 3-1/4" Thick, Resilient Rubber Tile.....	17.32	3.20
<i>For Manufacturer's Standard Colors, Add</i>	0.46	
<i>For Interlocking Tiles, Add</i>	1.54	
<i>For Mechanically Fastened, Add</i>	2.33	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0009 SF 3-1/2" Thick, Resilient Rubber Tile.....	18.94	3.43
<i>For Manufacturer's Standard Colors, Add</i>	0.26	
<i>For Interlocking Tiles, Add</i>	1.72	
<i>For Mechanically Fastened, Add</i>	2.47	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0010 SF 3-3/4" Thick, Resilient Rubber Tile.....	19.64	3.71
<i>For Manufacturer's Standard Colors, Add</i>	0.26	
<i>For Interlocking Tiles, Add</i>	1.72	
<i>For Mechanically Fastened, Add</i>	2.61	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0011 SF 4" Thick, Resilient Rubber Tile.....	20.41	3.92
<i>For Manufacturer's Standard Colors, Add</i>	0.26	
<i>For Interlocking Tiles, Add</i>	1.72	
<i>For Mechanically Fastened, Add</i>	2.77	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0012 SF 4-1/2" Thick, Resilient Rubber Tile.....	23.36	4.41
<i>For Manufacturer's Standard Colors, Add</i>	0.25	
<i>For Interlocking Tiles, Add</i>	2.01	
<i>For Mechanically Fastened, Add</i>	3.06	
<i>For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add</i>	1.50	
32 18 16 13-0013 Loose Laid Playground Surface Material <small>(32 18 16 13)</small>		
<i>Note: Excludes sub base.</i>		
32 18 16 13-0014 SF 3" Loose Laid Wood Fiber Safety Surface.....	1.17	0.28
32 18 16 13-0015 SF 6" Loose Laid Wood Fiber Safety Surface.....	1.53	0.35
32 18 16 13-0016 SF 9" Loose Laid Wood Fiber Safety Surface.....	1.91	0.42
32 18 16 13-0017 SF 12" Loose Laid Wood Fiber Safety Surface.....	2.71	0.63
32 18 16 13-0018 SF 3" Loose Laid Synthetic Fiber Safety Surface.....	1.73	0.28
32 18 16 13-0019 SF 6" Loose Laid Synthetic Fiber Safety Surface.....	2.14	0.35
32 18 16 13-0020 SF 9" Loose Laid Synthetic Fiber Safety Surface.....	3.18	0.42
32 18 16 13-0021 SF 12" Loose Laid Synthetic Fiber Safety Surface.....	4.04	0.63
32 18 16 13-0022 SF 8" FIBAR System.....	9.30	1.05
<i>Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.</i>		
32 18 16 13-0023 SF 12" FIBAR System.....	11.79	1.40
<i>Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.</i>		
32 18 16 13-0024 Poured In Place Playground Surfacing <small>(32 18 16 13)</small>		
<i>Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.</i>		
32 18 16 13-0025 SF Up To 4' Critical Fall Height (1-3/4") Poured In Place Rubber Playground Surfacing.....	10.85	2.04
<i>For Up To 2,000, Add</i>	2.60	
<i>For >2,000 To 3,000, Add</i>	1.82	
<i>For >3,000 To 4,000, Add</i>	1.23	
<i>For >4,000 To 5,000, Add</i>	0.78	
<i>For >5,000 To 7,000, Add</i>	0.32	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.13	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	
32 18 16 13-0026 SF 5' Critical Fall Height (2") Poured In Place Rubber Playground Surfacing.....	11.19	2.26
<i>For Up To 2,000, Add</i>	2.68	
<i>For >2,000 To 3,000, Add</i>	1.88	
<i>For >3,000 To 4,000, Add</i>	1.27	
<i>For >4,000 To 5,000, Add</i>	0.81	
<i>For >5,000 To 7,000, Add</i>	0.33	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.13	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	
32 18 16 13-0027 SF 6' Critical Fall Height (2-1/2") Poured In Place Rubber Playground Surfacing.....	12.09	2.58
<i>For Up To 2,000, Add</i>	2.90	
<i>For >2,000 To 3,000, Add</i>	2.03	
<i>For >3,000 To 4,000, Add</i>	1.37	
<i>For >4,000 To 5,000, Add</i>	0.87	
<i>For >5,000 To 7,000, Add</i>	0.36	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.13	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	
32 18 16 13-0028 SF 7' Critical Fall Height (3") Poured In Place Rubber Playground Surfacing.....	13.05	2.75
<i>For Up To 2,000, Add</i>	3.13	
<i>For >2,000 To 3,000, Add</i>	2.19	
<i>For >3,000 To 4,000, Add</i>	1.48	
<i>For >4,000 To 5,000, Add</i>	0.94	
<i>For >5,000 To 7,000, Add</i>	0.39	
<i>For Aliphatic (Non Yellowing) Binder, Add</i>	2.13	
<i>For Each 10% Of Area In Black Instead Of Color, Deduct</i>	-0.28	

32	Exterior Improvements
32 10	Bases, Ballasts, And Paving
32 18	Athletic And Recreational Surfacing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0029 SF 8' Critical Fall Height (3-1/2") Poured In Place Rubber Playground Surfacing	14.01	2.88
For Up To 2,000, Add	3.36	
For >2,000 To 3,000, Add	2.35	
For >3,000 To 4,000, Add	1.59	
For >4,000 To 5,000, Add	1.01	
For >5,000 To 7,000, Add	0.42	
For Aliphatic (Non Yellowing) Binder, Add	2.13	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0030 SF 9' Critical Fall Height (4") Poured In Place Rubber Playground Surfacing	14.84	3.05
For Up To 2,000, Add	3.56	
For >2,000 To 3,000, Add	2.49	
For >3,000 To 4,000, Add	1.69	
For >4,000 To 5,000, Add	1.07	
For >5,000 To 7,000, Add	0.44	
For Aliphatic (Non Yellowing) Binder, Add	2.13	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0031 SF 10' Critical Fall Height (4-1/2") Poured In Place Rubber Playground Surfacing	15.81	3.22
For Up To 2,000, Add	3.79	
For >2,000 To 3,000, Add	2.65	
For >3,000 To 4,000, Add	1.80	
For >4,000 To 5,000, Add	1.14	
For >5,000 To 7,000, Add	0.47	
For Aliphatic (Non Yellowing) Binder, Add	2.13	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0032 SF 12' Critical Fall Height (5-1/2") Poured In Place Rubber Playground Surfacing	17.72	3.61
For Up To 2,000, Add	4.25	
For >2,000 To 3,000, Add	2.97	
For >3,000 To 4,000, Add	2.01	
For >4,000 To 5,000, Add	1.28	
For >5,000 To 7,000, Add	0.53	
For Aliphatic (Non Yellowing) Binder, Add	2.13	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0033 SF Top Only (1/2") Poured In Place Playground Surfacing	7.08	
Note: Not used with new surfacing system tasks.		
For Up To 2,000, Add	2.61	
For >2,000 To 3,000, Add	1.67	
For >3,000 To 4,000, Add	1.01	
For >4,000 To 5,000, Add	0.61	
For >5,000 To 7,000, Add	0.27	
For Aliphatic (Non Yellowing) Binder, Add	2.13	
For Each 10% Of Area In Black Instead Of Color, Deduct	-0.28	
32 18 16 13-0034 EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,004.47	

32 18 23 Athletic Surfacing (32 18)**32 18 23 13 Baseball Field Surfacing (32 18 23)****32 18 23 13-0001 Clay Infield Maintenance (32 18 23 13)**

32 18 23 13-0002 MSF Playing Field Maintenance (Clay - Nail Drag)	9.05
32 18 23 13-0003 MSF Playing Field Maintenance (Clay - Screen Drag)	9.05
32 18 23 13-0004 CY Playing Field Maintenance Of Clay	67.14

32 18 23 23 Field Sport Surfacing (32 18 23)**32 18 23 23-0001 Turf Field Maintenance (32 18 23 23)**

32 18 23 23-0002 ACR Turf Aeration (Minimum 6" Penetration)	121.91
32 18 23 23-0003 MSF Top Dressing 1/8" - 1/4" Sand	11.45

32 18 23 29 Synthetic Field Sport Surfacing (32 18 23)**32 18 23 29-0001 Synthetic Turf (32 18 23 29)****32 18 23 29-0002 Synthetic Turf (AstroTurf) (32 18 23 29-0001)**

Note: Includes labor, equipment and material required to install the task.

**32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay
Grass™ MT) (32 18 23 29-0002)****32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf
(AstroTurf® GameDay Grass™ MT 38) (32 18 23 29-0003)**

32 18 23 29-0005 SF 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38)	3.87
For Ambient Rubber And Sand Infill, Add	0.10
For Cryo Rubber Infill, Add	0.26
For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	0.31
For Cryo Rubber And Sand Infill, Add	0.36
32 18 23 29-0006 EA Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	13,675.96
32 18 23 29-0007 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	11,147.20
32 18 23 29-0008 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields	3,354.48
Note: Per sport.	
32 18 23 29-0009 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields	1,238.58
Note: Per letter. Excludes outline.	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0010 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	1,186.97	
Note: Per endzone.		
32 18 23 29-0011 EA Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	10,321.48	
Note: Block letter.		
32 18 23 29-0012 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	14,966.15	
Note: Graphic.		
32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0014 SF 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	4.41	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015 EA Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	13,934.08	
32 18 23 29-0016 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	11,560.13	
32 18 23 29-0017 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	3,612.54	
Note: Per sport.		
32 18 23 29-0018 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,341.80	
Note: Per letter. Excludes outline.		
32 18 23 29-0019 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	1,238.58	
Note: Per endzone.		
32 18 23 29-0020 EA Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	10,837.62	
Note: Block letter.		
32 18 23 29-0021 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	15,714.55	
Note: Graphic.		
32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) <small>(32 18 23 29-0003)</small>		
32 18 23 29-0023 SF 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45).....	4.52	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024 EA Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	14,192.12	
32 18 23 29-0025 EA Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	12,489.07	
32 18 23 29-0026 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	3,870.58	
Note: Per sport.		
32 18 23 29-0027 EA Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,445.02	
Note: Per letter. Excludes outline.		
32 18 23 29-0028 EA Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	1,290.19	
Note: Per endzone.		
32 18 23 29-0029 EA Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	11,353.70	
Note: Block letter.		
32 18 23 29-0030 EA Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	16,462.86	
Note: Graphic.		
32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033 SF 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52).....	5.25	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.20	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0034 EA Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	14,708.11	
32 18 23 29-0035 EA Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	15,688.65	
32 18 23 29-0036 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	4,386.63	
Note: Per sport.		
32 18 23 29-0037 EA Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,651.44	
Note: Per letter. Excludes outline.		
32 18 23 29-0038 EA Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	1,393.40	
Note: Per endzone.		
32 18 23 29-0039 EA Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	12,385.78	
Note: Block letter.		
32 18 23 29-0040 EA Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields.....	17,959.38	
Note: Graphic.		
32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	5.49	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	14,966.15	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	17,443.30	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	4,644.67	
		Note: Per sport.		
32 18 23 29-0046	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,754.65	
		Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	1,445.01	
		Note: Per endzone.		
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields.....	12,901.85	
		Note: Block letter.		
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields	18,707.68	
		Note: Graphic.		
32 18 23 29-0050		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	5.50	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	15,224.18	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields.....	17,546.52	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	4,902.70	
		Note: Per sport.		
32 18 23 29-0055	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields.....	1,857.87	
		Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields	1,496.61	
		Note: Per endzone.		
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	13,417.92	
		Note: Block letter.		
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields.....	19,455.99	
		Note: Graphic.		
32 18 23 29-0059		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	5.63	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.20	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.25	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.30	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	15,482.22	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields.....	18,681.88	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	5,160.74	
		Note: Per sport.		
32 18 23 29-0064	EA	Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields.....	2,064.30	
		Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA	Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields	1,548.22	
		Note: Per endzone.		
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	13,934.00	
		Note: Block letter.		
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields.....	20,204.30	
		Note: Graphic.		
32 18 23 29-0068		Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0069		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38) <small>(32 18 23 29-0068)</small>		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38).....	4.17	
		<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
		<i>For Cryo Rubber Infill, Add</i>	0.26	
		<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
		<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	13,159.97	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	9,702.25	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	2,838.42	
		Note: Per sport.		
32 18 23 29-0074	EA	Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	1,032.15	
		Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA	Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields	1,083.76	
		Note: Per endzone.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0076 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Block letter.	9,289.39	
32 18 23 29-0077 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields..... Note: Graphic.	13,469.61	
32 18 23 29-0078 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42) (32 18 23 29-0068)		
32 18 23 29-0079 SF 42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	3.70	
<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
<i>For Cryo Rubber Infill, Add</i>	0.26	
<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080 EA Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	13,417.92	
32 18 23 29-0081 EA Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	10,321.48	
32 18 23 29-0082 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per sport.	3,096.44	
32 18 23 29-0083 EA Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per letter. Excludes outline.	1,135.36	
32 18 23 29-0084 EA Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Per endzone.	1,135.36	
32 18 23 29-0085 EA Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Block letter.	9,805.41	
32 18 23 29-0086 EA Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields..... Note: Graphic.	14,217.84	
32 18 23 29-0087 Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®) (32 18 23 29-0002)		
32 18 23 29-0088 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	8.68	
32 18 23 29-0089 SF Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	7.63	
32 18 23 29-0090 EA Football Markings For AstroTurf® PureGrass® Fields	25,464.89	
32 18 23 29-0091 EA Baseball Markings For AstroTurf® PureGrass® Fields	30,253.16	
32 18 23 29-0092 EA Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields..... Note: Per sport.	7,400.05	
32 18 23 29-0093 EA Endzone Lettering For AstroTurf® PureGrass® Fields..... Note: Per letter. Excludes outline.	2,829.43	
32 18 23 29-0094 EA Colored Endzone For AstroTurf® PureGrass® Fields	2,100.20	
<i>Note: Per endzone.</i>		
32 18 23 29-0095 EA Simple Logo For AstroTurf® PureGrass® Fields..... Note: Block letter.	18,901.77	
32 18 23 29-0096 EA Deluxe Logo For AstroTurf® PureGrass® Fields	27,750.20	
<i>Note: Graphic.</i>		
32 18 23 29-0097 Synthetic Turf (G9 Turf) (32 18 23 29-0001)		
<i>Note: Includes labor, equipment and material required to install the task.</i>		
32 18 23 29-0098 SF 2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf)	5.59	
<i>Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.</i>		
<i>For >35,000, Deduct</i>	-0.52	
32 18 23 29-0099 SF 2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	5.55	
<i>Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.</i>		
<i>For >35,000, Deduct</i>	-0.52	
32 18 23 29-0100 SF 1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	5.77	
<i>Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.</i>		
32 18 23 29-0101 EA Football Inlays For G9 Synthetic Turf	35,203.53	
<i>Note: Includes field grid, numbers, arrows, coach's box and kick off lines.</i>		
32 18 23 29-0102 EA Soccer Inlays For G9 Synthetic Turf	15,254.86	
32 18 23 29-0103 EA Boys Lacrosse Inlays For G9 Synthetic Turf.....	15,254.86	
32 18 23 29-0104 EA Girls Lacrosse Inlays For G9 Synthetic Turf	15,254.86	
32 18 23 29-0105 EA Field Hockey Inlays For G9 Synthetic Turf.....	15,254.86	
32 18 23 29-0106 EA Endzone Lettering For G9 Synthetic Turf	1,760.18	
<i>Note: Priced per letter. Includes single color outlining.</i>		
32 18 23 29-0107 SF Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	1.65	
32 18 23 29-0108 SF Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf.....	4.30	
32 18 23 29-0109 SF Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	1.23	
32 18 23 29-0110 SF Sand Infill For G9 Synthetic Turf.....	0.62	
32 18 23 29-0111 SF Acrylic Coated Sand Infill For G9 Synthetic Turf.....	1.02	
32 18 23 29-0112 EA Gmax Compaction And Hardness Test For G9 Synthetic Turf	1,173.45	
<i>Note: Includes a comprehensive report.</i>		
32 18 23 29-0113 EA Safety Bridge Over Track For G9 Synthetic Turf	11,734.51	
32 18 23 29-0114 SF Clean And Groom Synthetic Turf.....	0.39	
<i>Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.</i>		
<i>For >10,000 To 30,000, Deduct</i>	-0.16	
<i>For >30,000 To 60,000, Deduct</i>	-0.27	
<i>For >60,000, Deduct</i>	-0.30	

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0115	SF		Rejuvenate Synthetic Turf And Reinstall Existing Infill.....2.63 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	2.63	
32 18 23 29-0116	SF		Rejuvenate Synthetic Turf For Installation Of New Infill .....2.92 Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	2.92	
32 18 23 29-0117	SF		Drainage Layer For G9 Synthetic Turf .....2.40 Note: Used for drainage over asphalt or on roof tops.	2.40	
32 18 23 29-0118	SF		15 mm, Shock Pad For G9 Synthetic Turf .....1.47 Note: Used for additional Gmax for a stone base field.	1.47	
32 18 23 29-0119	EA		Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....2,338.60 Note: Includes field inspection and report.	2,338.60	
32 18 23 29-0120	LF		Repair Inlay Lines Or Seams On G9 Synthetic Turf.....6.43 Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	6.43	
32 18 23 29-0121	LF		Nailer Used To Attach G9 Synthetic Turf.....2.57	2.57	
32 18 23 29-0122	SF		Remove And Recycle Existing Field .....1.81 Note: Includes removal, shipping and recycling of infill, fibers and backing.	1.81	
32 18 23 33 Running Track Surfacing (32 18 23)					
32 18 23 33-0001			Running Track Surfacing (32 18 23 33)		
32 18 23 33-0002	SY		2-1/2" Asphaltic Concrete Running Track Surfacing .....24.71	24.71	
32 18 23 33-0003 Running Track Seal And Colored Surfaces (32 18 23 33)					
32 18 23 33-0004	SY		1 Seal Coat, Striping Of Track .....13.93 Note: Includes certification.	13.93	
32 18 23 39 Synthetic Running Track Surfacing (32 18 23)					
32 18 23 39-0001			Synthetic Running Track Surfacing (XPLODE™) (32 18 23 39)		
32 18 23 39-0002	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing (XPLODE™ M100) .....36.80 For >5,500, Deduct -4.05 For Up To 4,000, Add 12.88	36.80	
32 18 23 39-0003	SY		Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing (XPLODE™ MS200) .....49.39 For >5,500, Deduct -5.43 For Up To 4,000, Add 17.29 For Custom Color Upgrade, Add 4.69 For Aliphatic Top Coating, Add 8.89	49.39	
32 18 23 39-0004	SY		Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing (XPLODE™ MSX500) .....83.00 For >5,500, Deduct -4.98 For Up To 4,000, Add 29.05 For Custom Color Upgrade, Add 6.39 For Aliphatic Top Coating, Add 11.87	83.00	
32 18 23 39-0005	SY		Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing (XPLODE™ MSX5000) .....107.21 For >5,500, Deduct -6.43 For Up To 4,000, Add 37.52 For Custom Color Upgrade, Add 8.36 For Aliphatic Top Coating, Add 12.22	107.21	
32 18 23 39-0006	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Lightning) .....33.52 For >5,500, Deduct -3.69 For Up To 4,000, Add 11.73	33.52	
32 18 23 39-0007	SY		Latex Binder, Synthetic Running Track Surfacing (XPLODE™ Plexitrac® Accelerator) .....37.73 For >5,500, Deduct -5.47 For Up To 4,000, Add 13.21	37.73	
32 18 23 39-0008	SY		Spray Retop XPLODE™ M100/MS200 Running Tracks .....33.14 For Up To 4,000, Add 11.60 For >5,500, Deduct -3.24	33.14	
32 18 23 39-0009	SY		Sandwich Retop XPLODE™ MSX500 Running Tracks .....64.15 For Up To 4,000, Add 22.45 For >5,500, Deduct -6.76	64.15	
32 18 23 39-0010	SY		Retop XPLODE™ Plexitrac® Lightning Running Tracks .....18.66 Note: Two layers. For Up To 4,000, Add 6.53 For >5,500, Deduct -3.09	18.66	
32 18 23 39-0011	SY		Retop XPLODE™ Plexitrac® Accelerator Running Tracks .....22.72 Note: Two layers. For Up To 4,000, Add 7.95 For >5,500, Deduct -3.09	22.72	
32 18 23 39-0012	EA		Restripe XPLODE™ Running Track .....7,713.06 Note: Includes two coats of acrylic resurfacer and two coats of color. For College Track Restriping, Add 1,402.38	7,713.06	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 53	Tennis Court Surfacing (32 18 23)			
32 18 23 53-0001	Tennis Court Surfacing (32 18 23 53)	See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.		
32 18 23 53-0002	SY Tennis Court Bituminous Pavement, 2-1/2" Thick.....		25.29	
32 18 23 53-0003	SY Resurface Tennis Court Bituminous Pavement		7.02	
32 18 23 53-0004	Tennis Court Markings (32 18 23 53)			
32 18 23 53-0005	EA Paint Markings On Asphalt Tennis Court 2 Coats.....		368.37	
32 18 23 56	Natural Tennis Court Surfacing (32 18 23)			
32 18 23 56-0001	SY Clay Tennis Court.....		35.85	
32 18 23 56-0002	SY Tennis Court, Pulverized Natural Greenstone, Fast Dry.....	Note: Includes 4" base.	39.84	
32 18 23 56-0003	SY Tennis Court, Rubber-Cork Base Resilient Pavement.....		17.33	
32 18 23 56-0004	SY Resurface Clay Tennis Court.....		10.57	
32 18 23 56-0005	SY Resurface Tennis Court, Pulverized Natural Greenstone.....		9.00	
32 18 23 56-0006	SY Resurface Tennis Court, Resilient Pavement.....		6.49	
32 18 23 61	Multi-Use, Tennis Court, Basketball Court Athletic Surfacing (32 18 23)			
32 18 23 61-0001	100% Acrylic Athletic Surfacing System (California Products Plexipave®) (32 18 23 61)	Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0002	Surface Preparation For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)			
32 18 23 61-0003	SY 100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat.....	Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.81	
32 18 23 61-0004	SY Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat.....	Note: For previously uncoated portland cement concrete. Applied with broom.	0.62	
32 18 23 61-0005	SY Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat.....	Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.26	
32 18 23 61-0006	SY Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat.....	Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	92.05	
32 18 23 61-0007	Surface Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)	Note: Standard colors include dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.		
32 18 23 61-0008	SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat.....	Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.35	
	For Pacific Blue, Add		0.13	
	For US Open Blue, Add		0.44	
32 18 23 61-0009	SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat.....	Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.92	
	For Pacific Blue, Add		0.09	
	For US Open Blue, Add		0.32	
32 18 23 61-0010	SY 100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat.....	Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	1.69	
	For Pacific Blue, Add		0.07	
	For US Open Blue, Add		0.25	
32 18 23 61-0011	SY Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat.....	Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	1.69	
	For Pacific Blue, Add		0.04	
	For US Open Or Australian Open Blue, Add		0.30	
	For Pro Purple, Add		0.65	
32 18 23 61-0012	Specialty Coatings For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)			
32 18 23 61-0013	SY Hard Acrylic Surface Coat, Clear Coating Finish, Athletic Surfacing System (California Products Plexipave® Clear-Glo #3®), Per Coat.....	Note: Final finish coat over Plexipave® for increased wear resistance for basketball and volleyball courts. Applied with wide hair-type push broom.	1.08	
32 18 23 61-0014	Line Striping For Athletic Surfacing System (California Products Plexipave®) (32 18 23 61-0001)			

32 Exterior Improvements**32 10 Bases, Ballasts, And Paving****32 18 Athletic And Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0015	SY		Tennis Or Basketball Court Line Striping For Athletic Surfacing System (California Products Plexipave® Hi-Hide Plexicolor®).....	4.89	
Note: Textured or non-textured highly reflective line marking paint.					
32 18 23 61-0016			Cushion Coatings For Athletic Surfacing System (California Products Plexipave® Plexicushion®) (32 18 23 61-0001)		
32 18 23 61-0017	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat	3.46	
Note: Applied with rubber squeegee.					
32 18 23 61-0018	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat	4.67	
Note: Applied with rubber squeegee.					
32 18 23 61-0019	SY		Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat	4.04	
Note: Price per coat for third or additional coats. Applied with rubber squeegee.					
32 18 23 61-0020	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat.....	3.06	
Note: Applied with rubber squeegee.					
32 18 23 61-0021	SY		Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat.....	2.36	
Note: Price per coat for second or additional coats. Applied with rubber squeegee.					
32 30			Site Improvements (32)		
32 31			Fences And Gates (32 30)		
32 31 11			Gate Operators (32 31)		
32 31 11 00-0001			Gate Operators (32 31 11) Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002			Swing Gate Actuator (32 31 11 00-0001)		
32 31 11 00-0003			Single Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0004	EA		Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	1,016.57	170.78
Note: Includes one primary operator with a 10' wide gate capacity.					
32 31 11 00-0005	EA		Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	1,309.07	170.78
Note: Includes one primary operator with a 14' wide gate capacity.					
32 31 11 00-0006			Dual Gate, Swing Gate Actuator (32 31 11 00-0002)		
32 31 11 00-0007	EA		Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003)	2,033.14	341.57
Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.					
32 31 11 00-0008	EA		Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002)	2,618.14	341.57
Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.					
32 31 11 00-0009			Swing Gate Operators (32 31 11 00-0001)		
32 31 11 00-0010			Single Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0011	EA		400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	1,931.57	170.78
Note: Includes one primary operator with a 10' wide and 400# gate capacity.					
32 31 11 00-0012	EA		500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	2,089.07	170.78
Note: Includes one primary operator with a 14' wide and 500# gate capacity.					
32 31 11 00-0013	EA		700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	2,786.57	170.78
Note: Includes one primary operator with an 18' wide and 700# gate capacity.					
32 31 11 00-0014	EA		800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	3,139.07	170.78
Note: Includes one primary operator with a 22' wide and 800# gate capacity.					
				For 208/230/460 Volt AC, Add	322.50
For 208/230/460 Volt AC, Add					
32 31 11 00-0015			Dual Gate, Swing Gate Operators (32 31 11 00-0009)		
32 31 11 00-0016	EA		400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	3,450.64	341.57
Note: Includes one primary and one secondary operator each with a 10' wide and 400# gate capacity.					
32 31 11 00-0017	EA		500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	3,765.64	341.57
Note: Includes one primary and one secondary operator each with a 14' wide and 500# gate capacity.					
32 31 11 00-0018	EA		700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	5,153.14	341.57
Note: Includes one primary and one secondary operator each with an 18' wide and 700# gate capacity.					
				For 208/230/460 Volt AC, Add	322.50
32 31 11 00-0019	EA		800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	5,925.64	341.57
Note: Includes one primary and one secondary operator each with a 22' wide and 800# gate capacity.					
				For 208/230/460 Volt AC, Add	322.50



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0020 Sliding Gate Operators <small>(32 31 11 00-0001)</small>		
<small>Note: Includes 20' of chain. See CSI section 32 31 11 00-0029 for additional chain over 20'.</small>		
32 31 11 00-0021 EA 300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,579.07	170.78
<small>Note: Includes operator, chain brackets, hardware and 20' of #41 chain.</small>		
32 31 11 00-0022 EA 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,209.88	204.94
<small>Note: Includes operator, chain brackets, hardware and 20' of #41 chain.</small>		
32 31 11 00-0023 EA 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	2,734.88	204.94
<small>Note: Includes operator, chain brackets, hardware and 20' of #40 chain.</small>		
32 31 11 00-0024 EA 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	3,571.94	239.10
<small>Note: Includes operator, chain brackets, hardware and 20' of #50 chain.</small>		
32 31 11 00-0025 EA 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	4,381.94	239.10
<small>Note: Includes operator, chain brackets, hardware and 20' of #50 chain.</small>		
32 31 11 00-0026 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	5,980.26	273.25
<small>Note: Includes operator, chain brackets, hardware and 20' of #60 chain.</small>		
32 31 11 00-0027 EA 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	9,996.51	273.25
<small>Note: Includes operator, chain brackets, hardware and 20' of #60 chain.</small>		
32 31 11 00-0028 EA 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	16,949.82	307.41
<small>Note: Includes operator, chain brackets, hardware and 20' of #60 chain.</small>		
32 31 11 00-0029 Accessories For Gate Actuators And Operators <small>(32 31 11 00-0001)</small>		
32 31 11 00-0030 EA Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	388.72	
32 31 11 00-0031 EA Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	761.69	
32 31 11 00-0032 EA Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	436.63	
32 31 11 00-0033 EA Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	497.44	
32 31 11 00-0034 EA Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	452.44	
32 31 11 00-0035 EA Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	343.69	
32 31 11 00-0036 LF #40 Chain For Sliding Gate Operators	5.56	
32 31 11 00-0037 LF #41 Chain For Sliding Gate Operators	4.43	
32 31 11 00-0038 LF #50 Chain For Sliding Gate Operators	6.18	
32 31 11 00-0039 LF #60 Chain For Sliding Gate Operators	5.87	
32 31 13 Chain Link Fences And Gates <small>(32 31)</small>		
32 31 13 00-0001 Post Holes <small>(32 31 13)</small>		
<small>Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0069 for core drilling in concrete, 02 41 19 13-0201 for core drilling in asphalt.</small>		
32 31 13 00-0002 Drilling Post Hole In Soil <small>(32 31 13 00-0001)</small>		
<small>Note: Auger by machine unless otherwise notified by owner.</small>		
32 31 13 00-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	7.43	
32 31 13 00-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	8.35	
32 31 13 00-0005 VLF 3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	9.90	
32 31 13 00-0006 VLF 4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.14	
32 31 13 00-0007 VLF 6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	12.15	
32 31 13 00-0008 VLF 8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.36	
32 31 13 00-0009 VLF 10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	14.85	
32 31 13 00-0010 VLF 12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.71	
32 31 13 00-0011 VLF 18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	19.10	
32 31 13 00-0012 VLF 24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.28	
32 31 13 00-0013 VLF 30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	26.74	
32 31 13 00-0014 VLF 36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	33.42	
32 31 13 00-0015 Drilling Post Hole In Rock <small>(32 31 13 00-0001)</small>		
32 31 13 00-0016 CF Jackhammer Post Hole, Rock	54.64	
32 31 13 00-0017 CF Rock Drill Post Hole, Rock	16.50	
32 31 13 00-0018 Post Hole Fill <small>(32 31 13 00-0001)</small>		
<small>See CSI section 03 21 00 00-0000 for reinforcing steel.</small>		
32 31 13 00-0019 Concrete Fill <small>(32 31 13 00-0018)</small>		
32 31 13 00-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole	4.46	
32 31 13 00-0021 VLF Concrete Fill, 2-1/2" Diameter Hole	5.72	
32 31 13 00-0022 VLF Concrete Fill, 3" Diameter Hole	6.30	
32 31 13 00-0023 VLF Concrete Fill, 4" Diameter Hole	7.21	
32 31 13 00-0024 VLF Concrete Fill, 6" Diameter Hole	10.17	
32 31 13 00-0025 VLF Concrete Fill, 8" Diameter Hole	13.57	
32 31 13 00-0026 VLF Concrete Fill, 10" Diameter Hole	16.59	
32 31 13 00-0027 VLF Concrete Fill, 12" Diameter Hole	19.34	
32 31 13 00-0028 VLF Concrete Fill, 18" Diameter Hole	26.29	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0029 VLF Concrete Fill, 24" Diameter Hole.....	32.55	
32 31 13 00-0030 VLF Concrete Fill, 30" Diameter Hole.....	38.66	
32 31 13 00-0031 VLF Concrete Fill, 36" Diameter Hole.....	45.00	
32 31 13 00-0032 Grout Fill (32 31 13 00-0018)		
32 31 13 00-0033 VLF Grout Fill, Up To 2-1/2" Diameter Hole.....	5.29	
32 31 13 00-0034 VLF Grout Fill, 2-1/2" Diameter Hole.....	6.83	
32 31 13 00-0035 VLF Grout Fill, 3" Diameter Hole.....	7.43	
32 31 13 00-0036 VLF Grout Fill, 4" Diameter Hole.....	8.33	
32 31 13 00-0037 VLF Grout Fill, 6" Diameter Hole.....	11.61	
32 31 13 00-0038 VLF Grout Fill, 8" Diameter Hole.....	15.51	
32 31 13 00-0039 VLF Grout Fill, 10" Diameter Hole.....	18.88	
32 31 13 00-0040 VLF Grout Fill, 12" Diameter Hole.....	21.90	
32 31 13 00-0041 VLF Grout Fill, 18" Diameter Hole.....	29.23	
32 31 13 00-0042 VLF Grout Fill, 24" Diameter Hole.....	35.65	
32 31 13 00-0043 VLF Grout Fill, 30" Diameter Hole.....	41.87	
32 31 13 00-0044 VLF Grout Fill, 36" Diameter Hole.....	48.22	
32 31 13 00-0045 Earth Fill, Compacted (32 31 13 00-0018)		
32 31 13 00-0046 VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	3.79	
32 31 13 00-0047 VLF Earth Fill, 2-1/2" Diameter Hole.....	4.95	
32 31 13 00-0048 VLF Earth Fill, 3" Diameter Hole.....	5.18	
32 31 13 00-0049 VLF Earth Fill, 4" Diameter Hole.....	5.33	
32 31 13 00-0050 VLF Earth Fill, 6" Diameter Hole.....	7.11	
32 31 13 00-0051 VLF Earth Fill, 8" Diameter Hole.....	9.49	
32 31 13 00-0052 VLF Earth Fill, 10" Diameter Hole.....	11.38	
32 31 13 00-0053 VLF Earth Fill, 12" Diameter Hole.....	12.90	
32 31 13 00-0054 VLF Earth Fill, 18" Diameter Hole.....	15.73	
32 31 13 00-0055 VLF Earth Fill, 24" Diameter Hole.....	17.64	
32 31 13 00-0056 VLF Earth Fill, 30" Diameter Hole.....	19.35	
32 31 13 00-0057 VLF Earth Fill, 36" Diameter Hole.....	20.87	
32 31 13 00-0058 Fence Posts (32 31 13)		
Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0001 for drilling for augering holes.		
32 31 13 00-0059 Fence Posts (32 31 13 00-0058)		
32 31 13 00-0060 1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel (32 31 13 00-0059)		
Note: Includes cap and accessories.		
32 31 13 00-0061 LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length.....	8.60	1.94
For Each Top Rail Fitting, Add	0.85	
32 31 13 00-0062 LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length.....	8.06	1.64
For Each Top Rail Fitting, Add	0.85	
32 31 13 00-0063 LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length.....	7.38	1.36
For Each Top Rail Fitting, Add	0.85	
32 31 13 00-0064 LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length.....	6.84	1.08
For Each Top Rail Fitting, Add	0.85	
32 31 13 00-0065 LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length.....	6.48	0.93
For Each Top Rail Fitting, Add	0.85	
32 31 13 00-0066 LF 1-7/8" Galvanized H-beam Post, >24' In Length.....	5.92	0.65
For Each Top Rail Fitting, Add	0.85	
32 31 13 00-0067 Post Without Top Rail Fitting, Galvanized Steel, (1.66" Nominal) (32 31 13 00-0059)		
Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0068 LF 1-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	6.20	1.79
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.62	
32 31 13 00-0069 LF 1-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	5.65	1.51
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.56	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0070 LF 1-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	5.04	1.22
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.50	
32 31 13 00-0071 LF 1-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	4.56	0.93
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.45	
32 31 13 00-0072 LF 1-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	4.24	0.79
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.42	
32 31 13 00-0073 LF 1-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	3.89	0.65
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.66	
For Vinyl Coated, Add	1.57	
For Powder Coated, Add	2.10	
For Aluminum Coated, Add	3.28	
For Schedule 20, Deduct	-0.52	
For Schedule 80, Add	1.38	
32 31 13 00-0074 Post Without Top Rail Fitting, Galvanized Steel, (1.90" Nominal) (32 31 13 00-0059)		
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0075 LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	6.91	1.86
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.91	
32 31 13 00-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	6.41	1.58
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.86	
32 31 13 00-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	5.76	1.29
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.79	
32 31 13 00-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	5.25	1.01
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	0.80	
For Vinyl Coated, Add	1.92	
For Powder Coated, Add	2.56	
For Aluminum Coated, Add	4.00	
For Schedule 20, Deduct	-0.64	
For Schedule 80, Add	1.74	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	4.91	0.86
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.71	
32 31	13 00-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length.....	4.58	0.71
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	0.80	
			<i>For Vinyl Coated, Add</i>	1.92	
			<i>For Powder Coated, Add</i>	2.56	
			<i>For Aluminum Coated, Add</i>	4.00	
			<i>For Schedule 20, Deduct</i>	-0.64	
			<i>For Schedule 80, Add</i>	1.67	
32 31	13 00-0081		Post Without Top Rail Fitting, Galvanized Steel, (2.375" Nominal) <small>(32 31 13 00-0059)</small>		
			<small>Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31	13 00-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	8.17	2.01
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.44	
32 31	13 00-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	7.63	1.72
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.38	
32 31	13 00-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	6.95	1.36
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.31	
32 31	13 00-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	6.41	1.08
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.26	
32 31	13 00-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	6.05	0.93
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.22	
32 31	13 00-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	5.71	0.71
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	1.07	
			<i>For Vinyl Coated, Add</i>	2.56	
			<i>For Powder Coated, Add</i>	3.41	
			<i>For Aluminum Coated, Add</i>	5.33	
			<i>For Schedule 20, Deduct</i>	-0.85	
			<i>For Schedule 80, Add</i>	2.19	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0088 Post Without Top Rail Fitting, Galvanized Steel, (2.875" Nominal) <small>(32 31 13 00-0059)</small>		
Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0089 LF 3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	10.67	2.15
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.48	
32 31 13 00-0090 LF 3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	10.07	1.86
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.42	
32 31 13 00-0091 LF 3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	9.35	1.51
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.35	
32 31 13 00-0092 LF 3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	8.75	1.22
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.29	
32 31 13 00-0093 LF 3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	8.36	1.01
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.25	
32 31 13 00-0094 LF 3" Outside Diameter Galvanized Steel Post, >24' In Length	7.98	0.79
For Each Top Rail Fitting, Add	1.85	
For Each Single Barbed Wire Arm, Add	3.85	
For Each Double Barbed Wire Arm, Add	7.05	
For SS40 (Hot-Dip Galvanized And Chromated), Add	1.59	
For Vinyl Coated, Add	3.82	
For Powder Coated, Add	5.09	
For Aluminum Coated, Add	7.95	
For Schedule 20, Deduct	-1.27	
For Schedule 80, Add	3.21	
32 31 13 00-0095 Post Without Top Rail Fitting, Galvanized Steel, (4" Nominal) <small>(32 31 13 00-0059)</small>		
Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 00-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	14.87	2.29
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.42	
32 31 13 00-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	14.12	1.86
For Each Top Rail Fitting, Add	2.60	
For Each Single Barbed Wire Arm, Add	5.10	
For Each Double Barbed Wire Arm, Add	11.25	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.59	
For Vinyl Coated, Add	6.20	
For Powder Coated, Add	8.27	
For Aluminum Coated, Add	12.93	
For Schedule 20, Deduct	-2.07	
For Schedule 80, Add	5.34	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	13.48	1.58
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.59	
			<i>For Vinyl Coated, Add</i>	6.20	
			<i>For Powder Coated, Add</i>	8.27	
			<i>For Aluminum Coated, Add</i>	12.93	
			<i>For Schedule 20, Deduct</i>	-2.07	
			<i>For Schedule 80, Add</i>	5.28	
32 31	13 00-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	12.86	1.29
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.59	
			<i>For Vinyl Coated, Add</i>	6.20	
			<i>For Powder Coated, Add</i>	8.27	
			<i>For Aluminum Coated, Add</i>	12.93	
			<i>For Schedule 20, Deduct</i>	-2.07	
			<i>For Schedule 80, Add</i>	5.22	
32 31	13 00-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	12.86	1.29
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.59	
			<i>For Vinyl Coated, Add</i>	6.20	
			<i>For Powder Coated, Add</i>	8.27	
			<i>For Aluminum Coated, Add</i>	12.93	
			<i>For Schedule 20, Deduct</i>	-2.07	
			<i>For Schedule 80, Add</i>	5.22	
32 31	13 00-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	12.13	0.93
			<i>For Each Top Rail Fitting, Add</i>	2.60	
			<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
			<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.59	
			<i>For Vinyl Coated, Add</i>	6.20	
			<i>For Powder Coated, Add</i>	8.27	
			<i>For Aluminum Coated, Add</i>	12.93	
			<i>For Schedule 20, Deduct</i>	-2.07	
			<i>For Schedule 80, Add</i>	5.14	
32 31	13 00-0102		Post Without Top Rail Fitting, Galvanized Steel, (6.625" Nominal) <small>(32 31 13 00-0059)</small>		
			Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31	13 00-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	26.95	2.51
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	11.02	
32 31	13 00-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	26.14	2.08
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.94	
32 31	13 00-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	25.42	1.72
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.87	
32 31	13 00-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	24.71	1.36
			<i>For Each Top Rail Fitting, Add</i>	4.55	
			<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	5.48	
			<i>For Vinyl Coated, Add</i>	13.15	
			<i>For Powder Coated, Add</i>	17.54	
			<i>For Aluminum Coated, Add</i>	27.40	
			<i>For Schedule 20, Deduct</i>	-4.38	
			<i>For Schedule 80, Add</i>	10.80	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	24.31	1.22
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.76	
32 31 13 00-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	23.92	1.01
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	5.48	
For Vinyl Coated, Add	13.15	
For Powder Coated, Add	17.54	
For Aluminum Coated, Add	27.40	
For Schedule 20, Deduct	-4.38	
For Schedule 80, Add	10.72	
32 31 13 00-0109 Post Without Top Rail Fitting, Galvanized Steel, (8.625" Nominal) <small>(32 31 13 00-0059)</small>		
<small>Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 00-0110 LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	50.51	2.80
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	22.12	
32 31 13 00-0111 LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	49.60	2.37
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	22.03	
32 31 13 00-0112 LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	48.80	1.94
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.95	
32 31 13 00-0113 LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	47.99	1.51
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.87	
32 31 13 00-0114 LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	47.57	1.29
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.83	
32 31 13 00-0115 LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	47.14	1.08
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	11.23	
For Vinyl Coated, Add	26.95	
For Powder Coated, Add	35.94	
For Aluminum Coated, Add	56.15	
For Schedule 20, Deduct	-8.98	
For Schedule 80, Add	21.78	

32 31 13 00-0116 Chain Link Fence Assemblies (32 31 13)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 00-0117	Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts <small>(32 31 13 00-0116)</small>		
	Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 00-0633 for barb wire attachments.		
32 31 13 00-0118	Galvanized <small>(32 31 13 00-0117)</small>		
32 31 13 00-0119	LF 3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	18.34	2.44
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.40	
	For 13 Gauge Fabric, Deduct	-3.05	
	For 11 Gauge Fabric, Deduct	-1.78	
	For 6 Gauge Fabric, Add	2.80	
	For 1" Mesh Fabric, Add	3.82	
	For 1-3/4" Mesh Fabric, Add	1.53	
	For 2-1/8" Mesh Fabric, Deduct	-0.76	
	For 2-3/8" Mesh Fabric, Deduct	-1.02	
	For Posts 8' On Centers, Add	1.03	
	For Posts 5' On Centers, Add	3.92	
	For Up To 100, Add	3.71	
	For >100 To 250, Add	1.40	
	For >2,500 To 5,000, Deduct	-0.70	
	For >5,000, Deduct	-1.40	
32 31 13 00-0120	LF 3-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	19.09	2.44
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.44	
	For 13 Gauge Fabric, Deduct	-3.26	
	For 11 Gauge Fabric, Deduct	-1.90	
	For 6 Gauge Fabric, Add	2.99	
	For 1" Mesh Fabric, Add	4.08	
	For 1-3/4" Mesh Fabric, Add	1.63	
	For 2-1/8" Mesh Fabric, Deduct	-0.82	
	For 2-3/8" Mesh Fabric, Deduct	-1.09	
	For Posts 8' On Centers, Add	1.07	
	For Posts 5' On Centers, Add	4.07	
	For Up To 100, Add	3.83	
	For >100 To 250, Add	1.44	
	For >2,500 To 5,000, Deduct	-0.72	
	For >5,000, Deduct	-1.44	
32 31 13 00-0121	LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	19.71	2.44
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.48	
	For 13 Gauge Fabric, Deduct	-3.43	
	For 11 Gauge Fabric, Deduct	-2.00	
	For 6 Gauge Fabric, Add	3.15	
	For 1" Mesh Fabric, Add	4.29	
	For 1-3/4" Mesh Fabric, Add	1.72	
	For 2-1/8" Mesh Fabric, Deduct	-0.86	
	For 2-3/8" Mesh Fabric, Deduct	-1.14	
	For Posts 8' On Centers, Add	1.10	
	For Posts 5' On Centers, Add	4.19	
	For Up To 100, Add	3.94	
	For >100 To 250, Add	1.48	
	For >2,500 To 5,000, Deduct	-0.74	
	For >5,000, Deduct	-1.48	
32 31 13 00-0122	LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	21.23	2.44
	For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.57	
	For 13 Gauge Fabric, Deduct	-3.84	
	For 11 Gauge Fabric, Deduct	-2.25	
	For 6 Gauge Fabric, Add	3.53	
	For 1" Mesh Fabric, Add	4.81	
	For 1-3/4" Mesh Fabric, Add	1.92	
	For 2-1/8" Mesh Fabric, Deduct	-0.96	
	For 2-3/8" Mesh Fabric, Deduct	-1.28	
	For Posts 8' On Centers, Add	1.18	
	For Posts 5' On Centers, Add	4.48	
	For Up To 100, Add	4.20	
	For >100 To 250, Add	1.57	
	For >2,500 To 5,000, Deduct	-0.79	
	For >5,000, Deduct	-1.57	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0123 LF 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	23.09	2.44
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.70	
<i>For 13 Gauge Fabric, Deduct</i>	-4.26	
<i>For 11 Gauge Fabric, Deduct</i>	-2.49	
<i>For 6 Gauge Fabric, Add</i>	3.91	
<i>For 1" Mesh Fabric, Add</i>	5.33	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.13	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.07	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.42	
<i>For Posts 8' On Centers, Add</i>	1.28	
<i>For Posts 5' On Centers, Add</i>	4.86	
<i>For Up To 100, Add</i>	4.55	
<i>For >100 To 250, Add</i>	1.70	
<i>For >2,500 To 5,000, Deduct</i>	-0.85	
<i>For >5,000, Deduct</i>	-1.70	
32 31 13 00-0124 LF 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	24.19	3.66
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.77	
<i>For 13 Gauge Fabric, Deduct</i>	-4.50	
<i>For 11 Gauge Fabric, Deduct</i>	-2.63	
<i>For 6 Gauge Fabric, Add</i>	4.13	
<i>For 1" Mesh Fabric, Add</i>	5.63	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.25	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.13	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.50	
<i>For Posts 8' On Centers, Add</i>	1.34	
<i>For Posts 5' On Centers, Add</i>	5.08	
<i>For Up To 100, Add</i>	4.75	
<i>For >100 To 250, Add</i>	1.77	
<i>For >2,500 To 5,000, Deduct</i>	-0.89	
<i>For >5,000, Deduct</i>	-1.77	
32 31 13 00-0125 LF 8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	27.15	4.26
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.96	
<i>For 13 Gauge Fabric, Deduct</i>	-5.28	
<i>For 11 Gauge Fabric, Deduct</i>	-3.08	
<i>For 6 Gauge Fabric, Add</i>	4.84	
<i>For 1" Mesh Fabric, Add</i>	6.60	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.64	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.32	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.76	
<i>For Posts 8' On Centers, Add</i>	1.50	
<i>For Posts 5' On Centers, Add</i>	5.67	
<i>For Up To 100, Add</i>	5.27	
<i>For >100 To 250, Add</i>	1.96	
<i>For >2,500 To 5,000, Deduct</i>	-0.98	
<i>For >5,000, Deduct</i>	-1.96	
32 31 13 00-0126 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	29.06	5.49
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.08	
<i>For 13 Gauge Fabric, Deduct</i>	-5.74	
<i>For 11 Gauge Fabric, Deduct</i>	-3.35	
<i>For 6 Gauge Fabric, Add</i>	5.27	
<i>For 1" Mesh Fabric, Add</i>	7.19	
<i>For 1-3/4" Mesh Fabric, Add</i>	2.87	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.44	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.92	
<i>For Posts 8' On Centers, Add</i>	1.60	
<i>For Posts 5' On Centers, Add</i>	6.05	
<i>For Up To 100, Add</i>	5.61	
<i>For >100 To 250, Add</i>	2.08	
<i>For >2,500 To 5,000, Deduct</i>	-1.04	
<i>For >5,000, Deduct</i>	-2.08	
32 31 13 00-0127 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.97	6.10
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.20	
<i>For 13 Gauge Fabric, Deduct</i>	-6.21	
<i>For 11 Gauge Fabric, Deduct</i>	-3.63	
<i>For 6 Gauge Fabric, Add</i>	5.70	
<i>For 1" Mesh Fabric, Add</i>	7.77	
<i>For 1-3/4" Mesh Fabric, Add</i>	3.11	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.55	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.07	
<i>For Posts 8' On Centers, Add</i>	1.71	
<i>For Posts 5' On Centers, Add</i>	6.43	
<i>For Up To 100, Add</i>	5.96	
<i>For >100 To 250, Add</i>	2.20	
<i>For >2,500 To 5,000, Deduct</i>	-1.10	
<i>For >5,000, Deduct</i>	-2.20	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 13 00-0128	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	34.51	7.31
		<i>For Each Additional Foot >12, Add</i>	3.17	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.44	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.05	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
		<i>For 6 Gauge Fabric, Add</i>	6.48	
		<i>For 1" Mesh Fabric, Add</i>	8.83	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.77	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.35	
		<i>For Posts 8' On Centers, Add</i>	1.90	
		<i>For Posts 5' On Centers, Add</i>	7.14	
		<i>For Up To 100, Add</i>	6.60	
		<i>For >100 To 250, Add</i>	2.44	
		<i>For >2,500 To 5,000, Deduct</i>	-1.22	
		<i>For >5,000, Deduct</i>	-2.44	

32 31 13 00-0129 Vinyl Coated (32 31 13 00-0117)

32 31 13 00-0130	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	20.59	2.44
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.61	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.52	
		<i>For 13 Gauge Fabric, Deduct</i>	-3.73	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.18	
		<i>For 6 Gauge Fabric, Add</i>	3.43	
		<i>For 1" Mesh Fabric, Add</i>	4.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.87	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.93	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.25	
		<i>For Posts 8' On Centers, Add</i>	1.15	
		<i>For Posts 5' On Centers, Add</i>	4.35	
		<i>For Up To 100, Add</i>	4.07	
		<i>For >100 To 250, Add</i>	1.52	
		<i>For >2,500 To 5,000, Deduct</i>	-0.76	
		<i>For >5,000, Deduct</i>	-1.52	

32 31 13 00-0131	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	22.33	2.44
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	1.82	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.63	
		<i>For 13 Gauge Fabric, Deduct</i>	-4.23	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.47	
		<i>For 6 Gauge Fabric, Add</i>	3.88	
		<i>For 1" Mesh Fabric, Add</i>	5.29	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.12	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.06	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.41	
		<i>For Posts 8' On Centers, Add</i>	1.24	
		<i>For Posts 5' On Centers, Add</i>	4.68	
		<i>For Up To 100, Add</i>	4.37	
		<i>For >100 To 250, Add</i>	1.63	
		<i>For >2,500 To 5,000, Deduct</i>	-0.81	
		<i>For >5,000, Deduct</i>	-1.63	

32 31 13 00-0132	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	25.35	2.44
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	2.18	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	1.81	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.05	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.95	
		<i>For 6 Gauge Fabric, Add</i>	4.63	
		<i>For 1" Mesh Fabric, Add</i>	6.32	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.26	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.68	
		<i>For Posts 8' On Centers, Add</i>	1.40	
		<i>For Posts 5' On Centers, Add</i>	5.27	
		<i>For Up To 100, Add</i>	4.89	
		<i>For >100 To 250, Add</i>	1.81	
		<i>For >2,500 To 5,000, Deduct</i>	-0.90	
		<i>For >5,000, Deduct</i>	-1.81	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0133 LF 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	26.81	3.66
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.34	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	1.90	
For 13 Gauge Fabric, Deduct	-5.41	
For 11 Gauge Fabric, Deduct	-3.16	
For 6 Gauge Fabric, Add	4.97	
For 1" Mesh Fabric, Add	6.77	
For 1-3/4" Mesh Fabric, Add	2.71	
For 2-1/8" Mesh Fabric, Deduct	-1.35	
For 2-3/8" Mesh Fabric, Deduct	-1.81	
For Posts 8' On Centers, Add	1.48	
For Posts 5' On Centers, Add	5.56	
For Up To 100, Add	5.15	
For >100 To 250, Add	1.90	
For >2,500 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.90	
32 31 13 00-0134 LF 8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	30.20	4.26
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.73	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.11	
For 13 Gauge Fabric, Deduct	-6.33	
For 11 Gauge Fabric, Deduct	-3.70	
For 6 Gauge Fabric, Add	5.82	
For 1" Mesh Fabric, Add	7.93	
For 1-3/4" Mesh Fabric, Add	3.17	
For 2-1/8" Mesh Fabric, Deduct	-1.59	
For 2-3/8" Mesh Fabric, Deduct	-2.11	
For Posts 8' On Centers, Add	1.65	
For Posts 5' On Centers, Add	6.21	
For Up To 100, Add	5.73	
For >100 To 250, Add	2.11	
For >2,500 To 5,000, Deduct	-1.05	
For >5,000, Deduct	-2.11	
32 31 13 00-0135 LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	32.33	5.49
For Powder Coated Framework (Posts, Rails, Hardware), Add	2.97	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.24	
For 13 Gauge Fabric, Deduct	-6.88	
For 11 Gauge Fabric, Deduct	-4.02	
For 6 Gauge Fabric, Add	6.31	
For 1" Mesh Fabric, Add	8.61	
For 1-3/4" Mesh Fabric, Add	3.44	
For 2-1/8" Mesh Fabric, Deduct	-1.72	
For 2-3/8" Mesh Fabric, Deduct	-2.30	
For Posts 8' On Centers, Add	1.77	
For Posts 5' On Centers, Add	6.63	
For Up To 100, Add	6.10	
For >100 To 250, Add	2.24	
For >2,500 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-2.24	
32 31 13 00-0136 LF 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	34.46	6.10
For Powder Coated Framework (Posts, Rails, Hardware), Add	3.20	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.38	
For 13 Gauge Fabric, Deduct	-7.42	
For 11 Gauge Fabric, Deduct	-4.33	
For 6 Gauge Fabric, Add	6.81	
For 1" Mesh Fabric, Add	9.29	
For 1-3/4" Mesh Fabric, Add	3.71	
For 2-1/8" Mesh Fabric, Deduct	-1.86	
For 2-3/8" Mesh Fabric, Deduct	-2.48	
For Posts 8' On Centers, Add	1.88	
For Posts 5' On Centers, Add	7.05	
For Up To 100, Add	6.48	
For >100 To 250, Add	2.38	
For >2,500 To 5,000, Deduct	-1.19	
For >5,000, Deduct	-2.38	
32 31 13 00-0137 LF 12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	37.59	7.31
For Each Additional Foot >12, Add	3.42	
For Powder Coated Framework (Posts, Rails, Hardware), Add	3.51	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	2.59	
For 13 Gauge Fabric, Deduct	-8.12	
For 11 Gauge Fabric, Deduct	-4.75	
For 6 Gauge Fabric, Add	7.46	
For 1" Mesh Fabric, Add	10.17	
For 1-3/4" Mesh Fabric, Add	4.07	
For 2-1/8" Mesh Fabric, Deduct	-2.03	
For 2-3/8" Mesh Fabric, Deduct	-2.71	
For Posts 8' On Centers, Add	2.05	
For Posts 5' On Centers, Add	7.69	
For Up To 100, Add	7.06	
For >100 To 250, Add	2.59	
For >2,500 To 5,000, Deduct	-1.30	
For >5,000, Deduct	-2.59	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 31 13 00-0138		Rails <small>(32 31 13)</small>			
		Note: Includes rail end fittings.			
32 31 13 00-0139		SS-20 Chain Link Fence Rails <small>(32 31 13 00-0138)</small>			
		Note: Includes tie wires.			
32 31 13 00-0140	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	3.09		0.79
		For SS15, Deduct	-0.15		
		For SS40, Add	0.36		
32 31 13 00-0141	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	3.58		0.79
		For SS40, Add	0.19		
		For Powder Coated, Add	0.39		
		For Aluminum Coated, Add	0.78		
32 31 13 00-0142	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	3.72		0.90
		For SS15, Deduct	-0.19		
		For SS40, Add	0.48		
32 31 13 00-0143	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	4.37		0.90
		For SS40, Add	0.26		
		For Powder Coated, Add	0.52		
		For Aluminum Coated, Add	1.03		
32 31 13 00-0144	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	4.33		1.01
		For SS40, Add	0.58		
32 31 13 00-0145	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	5.11		1.01
		For SS40, Add	0.31		
		For Powder Coated, Add	0.62		
		For Aluminum Coated, Add	1.24		
32 31 13 00-0146		Fabric <small>(32 31 13)</small>			
32 31 13 00-0147		Fabric, Galvanized Chain Link <small>(32 31 13 00-0146)</small>			
32 31 13 00-0148	LF	3' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	6.83		1.44
		For 2 Oz Galvanized Coating, Add	0.54		
		For 13 Gauge Fabric, Deduct	-0.98		
		For 11 Gauge Fabric, Deduct	-0.54		
		For 6 Gauge Fabric, Add	1.74		
		For 1" Mesh Fabric, Add	1.63		
		For 1-3/4" Mesh Fabric, Add	0.65		
		For 2-1/8" Mesh Fabric, Deduct	-0.33		
		For 2-3/8" Mesh Fabric, Deduct	-0.43		
32 31 13 00-0149	LF	3-6" Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	7.55		1.61
		For 2 Oz Galvanized Coating, Add	0.63		
		For 13 Gauge Fabric, Deduct	-1.14		
		For 11 Gauge Fabric, Deduct	-0.63		
		For 6 Gauge Fabric, Add	2.02		
		For 1" Mesh Fabric, Add	1.90		
		For 1-3/4" Mesh Fabric, Add	0.76		
		For 2-1/8" Mesh Fabric, Deduct	-0.38		
		For 2-3/8" Mesh Fabric, Deduct	-0.51		
32 31 13 00-0150	LF	4' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	8.15		1.79
		For 2 Oz Galvanized Coating, Add	0.70		
		For 13 Gauge Fabric, Deduct	-1.25		
		For 11 Gauge Fabric, Deduct	-0.70		
		For 6 Gauge Fabric, Add	2.22		
		For 1" Mesh Fabric, Add	2.09		
		For 1-3/4" Mesh Fabric, Add	0.83		
		For 2-1/8" Mesh Fabric, Deduct	-0.42		
		For 2-3/8" Mesh Fabric, Deduct	-0.56		
32 31 13 00-0151	LF	5' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	9.20		2.15
		For 2 Oz Galvanized Coating, Add	0.87		
		For 13 Gauge Fabric, Deduct	-1.56		
		For 11 Gauge Fabric, Deduct	-0.87		
		For 6 Gauge Fabric, Add	2.77		
		For 1" Mesh Fabric, Add	2.60		
		For 1-3/4" Mesh Fabric, Add	1.04		
		For 2-1/8" Mesh Fabric, Deduct	-0.52		
		For 2-3/8" Mesh Fabric, Deduct	-0.69		
32 31 13 00-0152	LF	6' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	10.31		2.51
		For 2 Oz Galvanized Coating, Add	1.04		
		For 13 Gauge Fabric, Deduct	-1.87		
		For 11 Gauge Fabric, Deduct	-1.04		
		For 6 Gauge Fabric, Add	3.33		
		For 1" Mesh Fabric, Add	3.12		
		For 1-3/4" Mesh Fabric, Add	1.25		
		For 2-1/8" Mesh Fabric, Deduct	-0.62		
		For 2-3/8" Mesh Fabric, Deduct	-0.83		
32 31 13 00-0153	LF	7' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.47		2.87
		For 2 Oz Galvanized Coating, Add	1.21		
		For 13 Gauge Fabric, Deduct	-2.18		
		For 11 Gauge Fabric, Deduct	-1.21		
		For 6 Gauge Fabric, Add	3.88		
		For 1" Mesh Fabric, Add	3.64		
		For 1-3/4" Mesh Fabric, Add	1.46		
		For 2-1/8" Mesh Fabric, Deduct	-0.73		
		For 2-3/8" Mesh Fabric, Deduct	-0.97		



Exterior Improvements	32	
Site Improvements	32 30	32
Fences And Gates	32 31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0154	LF	8' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.72	3.58
			<i>For 2 Oz Galvanized Coating, Add</i>	1.39	
			<i>For 13 Gauge Fabric, Deduct</i>	-2.49	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.39	
			<i>For 6 Gauge Fabric, Add</i>	4.43	
			<i>For 1" Mesh Fabric, Add</i>	4.16	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.66	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.83	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.11	
32 31	13 00-0155	LF	10' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.11	3.95
			<i>For 2 Oz Galvanized Coating, Add</i>	1.80	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.24	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.80	
			<i>For 6 Gauge Fabric, Add</i>	5.76	
			<i>For 1" Mesh Fabric, Add</i>	5.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.16	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.08	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.44	
32 31	13 00-0156	LF	12' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.24	4.31
			<i>For 2 Oz Galvanized Coating, Add</i>	2.16	
			<i>For 13 Gauge Fabric, Deduct</i>	-3.88	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.16	
			<i>For 6 Gauge Fabric, Add</i>	6.90	
			<i>For 1" Mesh Fabric, Add</i>	6.47	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.59	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.29	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.73	
32 31	13 00-0157	LF	14' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.32	5.02
			<i>For 2 Oz Galvanized Coating, Add</i>	2.32	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.17	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.32	
			<i>For 6 Gauge Fabric, Add</i>	7.42	
			<i>For 1" Mesh Fabric, Add</i>	6.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.78	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.39	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.85	
32 31	13 00-0158	LF	16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.38	5.74
			<i>For 2 Oz Galvanized Coating, Add</i>	2.48	
			<i>For 13 Gauge Fabric, Deduct</i>	-4.46	
			<i>For 11 Gauge Fabric, Deduct</i>	-2.48	
			<i>For 6 Gauge Fabric, Add</i>	7.93	
			<i>For 1" Mesh Fabric, Add</i>	7.43	
			<i>For 1-3/4" Mesh Fabric, Add</i>	2.97	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.49	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.98	
32 31	13 00-0159	SF	>16' Full Height Fabric Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	1.33	0.34
			<i>For 2 Oz Galvanized Coating, Add</i>	0.16	
			<i>For 13 Gauge Fabric, Deduct</i>	-0.28	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.16	
			<i>For 6 Gauge Fabric, Add</i>	0.50	
			<i>For 1" Mesh Fabric, Add</i>	0.47	
			<i>For 1-3/4" Mesh Fabric, Add</i>	0.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.09	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.12	
32 31	13 00-0160		Fabric, Vinyl Coated Chain Link <small>(32 31 13 00-0146)</small>		
32 31	13 00-0161	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	9.03	1.44
			<i>For 13 Gauge Fabric, Deduct</i>	-1.65	
			<i>For 11 Gauge Fabric, Deduct</i>	-0.92	
			<i>For 6 Gauge Fabric, Add</i>	2.93	
			<i>For 1" Mesh Fabric, Add</i>	2.75	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.10	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.55	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.73	
			<i>For Aluminum Coated, Add</i>	1.46	
32 31	13 00-0162	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	10.31	2.15
			<i>For 13 Gauge Fabric, Deduct</i>	-2.06	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.14	
			<i>For 6 Gauge Fabric, Add</i>	3.66	
			<i>For 1" Mesh Fabric, Add</i>	3.43	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.69	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.91	
			<i>For Aluminum Coated, Add</i>	1.83	
32 31	13 00-0163	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	12.56	2.51
			<i>For 13 Gauge Fabric, Deduct</i>	-2.88	
			<i>For 11 Gauge Fabric, Deduct</i>	-1.60	
			<i>For 6 Gauge Fabric, Add</i>	5.13	
			<i>For 1" Mesh Fabric, Add</i>	4.81	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.96	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.28	
			<i>For Aluminum Coated, Add</i>	2.56	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0164	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	14.08	2.87
		<i>For 13 Gauge Fabric, Deduct</i>	-3.36	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.87	
		<i>For 6 Gauge Fabric, Add</i>	5.97	
		<i>For 1" Mesh Fabric, Add</i>	5.60	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.24	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.12	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.49	
		<i>For Aluminum Coated, Add</i>	2.98	
32 31 13 00-0165	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	15.77	3.58
		<i>For 13 Gauge Fabric, Deduct</i>	-3.87	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.15	
		<i>For 6 Gauge Fabric, Add</i>	6.87	
		<i>For 1" Mesh Fabric, Add</i>	6.44	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.29	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.72	
		<i>For Aluminum Coated, Add</i>	3.44	
32 31 13 00-0166	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.61	3.95
		<i>For 13 Gauge Fabric, Deduct</i>	-4.82	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.68	
		<i>For 6 Gauge Fabric, Add</i>	8.56	
		<i>For 1" Mesh Fabric, Add</i>	8.03	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.21	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.61	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.14	
		<i>For Aluminum Coated, Add</i>	4.28	
32 31 13 00-0167	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	20.31	4.31
		<i>For 13 Gauge Fabric, Deduct</i>	-5.27	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.93	
		<i>For 6 Gauge Fabric, Add</i>	9.36	
		<i>For 1" Mesh Fabric, Add</i>	8.78	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.76	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.34	
		<i>For Aluminum Coated, Add</i>	4.68	
32 31 13 00-0168	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	22.93	5.02
		<i>For 13 Gauge Fabric, Deduct</i>	-5.80	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.22	
		<i>For 6 Gauge Fabric, Add</i>	10.30	
		<i>For 1" Mesh Fabric, Add</i>	9.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.86	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.93	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.58	
		<i>For Aluminum Coated, Add</i>	5.15	
32 31 13 00-0169	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.58	5.74
		<i>For 13 Gauge Fabric, Deduct</i>	-6.35	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.53	
		<i>For 6 Gauge Fabric, Add</i>	11.29	
		<i>For 1" Mesh Fabric, Add</i>	10.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.12	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.82	
		<i>For Aluminum Coated, Add</i>	5.64	
32 31 13 00-0170	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	1.59	0.34
		<i>For 13 Gauge Fabric, Deduct</i>	-0.40	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.22	
		<i>For 6 Gauge Fabric, Add</i>	0.70	
		<i>For 1" Mesh Fabric, Add</i>	0.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	0.26	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.13	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.18	
		<i>For Aluminum Coated, Add</i>	0.35	
32 31 13 00-0171		Fabric, Aluminized Steel Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0172	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	6.74	1.44
		<i>For 6 Gauge Fabric, Add</i>	1.66	
		<i>For 1" Mesh Fabric, Add</i>	2.18	
32 31 13 00-0173	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	7.44	1.61
		<i>For 6 Gauge Fabric, Add</i>	1.94	
		<i>For 1" Mesh Fabric, Add</i>	2.54	
32 31 13 00-0174	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	8.14	1.79
		<i>For 6 Gauge Fabric, Add</i>	2.22	
		<i>For 1" Mesh Fabric, Add</i>	2.91	
32 31 13 00-0175	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	9.20	2.15
		<i>For 6 Gauge Fabric, Add</i>	2.77	
		<i>For 1" Mesh Fabric, Add</i>	3.63	
32 31 13 00-0176	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	10.28	2.51
		<i>For 6 Gauge Fabric, Add</i>	3.30	
		<i>For 1" Mesh Fabric, Add</i>	4.34	
32 31 13 00-0177	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	11.45	2.87
		<i>For 6 Gauge Fabric, Add</i>	3.86	
		<i>For 1" Mesh Fabric, Add</i>	5.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0178 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.70 4.42 5.80	3.58
32 31 13 00-0179 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.81 5.52 7.25	3.95
32 31 13 00-0180 LF 12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.89 6.62 8.69	4.31
32 31 13 00-0181 Fabric, All Aluminum Chain Link <small>(32 31 13 00-0146)</small>		
32 31 13 00-0182 LF 3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	10.10 4.35 5.71	1.44
32 31 13 00-0183 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	11.36 5.07 6.66	1.61
32 31 13 00-0184 LF 4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	12.62 5.80 7.61	1.79
32 31 13 00-0185 LF 5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	14.80 7.25 9.51	2.15
32 31 13 00-0186 LF 6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.03 8.70 11.42	2.51
32 31 13 00-0187 LF 7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	19.31 10.15 13.32	2.87
32 31 13 00-0188 LF 8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.68 11.60 15.23	3.58
32 31 13 00-0189 LF 10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	26.03 14.50 19.03	3.95
32 31 13 00-0190 LF 12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.36 17.40 22.84	4.31
32 31 13 00-0191 Fence Inserts <small>(32 31 13 00-0146)</small> Note: For use with new or existing chain link fence, per lf of fence.		
32 31 13 00-0192 Vinyl Plastic Fence Inserts <small>(32 31 13 00-0191)</small> Note: Assorted colors.		
32 31 13 00-0193 LF 3' High Fence, Vinyl Plastic Fence Insert.....	5.55	
32 31 13 00-0194 LF 3-1/2' High Fence, Vinyl Plastic Fence Insert.....	6.38	
32 31 13 00-0195 LF 4' High Fence, Vinyl Plastic Fence Insert.....	7.04	
32 31 13 00-0196 LF 5' High Fence, Vinyl Plastic Fence Insert.....	8.82	
32 31 13 00-0197 LF 6' High Fence, Vinyl Plastic Fence Insert.....	10.56	
32 31 13 00-0198 LF 7' High Fence, Vinyl Plastic Fence Insert.....	12.34	
32 31 13 00-0199 LF 8' High Fence, Vinyl Plastic Fence Insert.....	14.07	
32 31 13 00-0200 LF 10' High Fence, Vinyl Plastic Fence Insert.....	16.52	
32 31 13 00-0201 Aluminum Fence Inserts <small>(32 31 13 00-0191)</small> Note: Assorted colors.		
32 31 13 00-0202 LF 3' High Fence, Aluminum Fence Insert.....	11.89	
32 31 13 00-0203 LF 3-1/2' High Fence, Aluminum Fence Insert.....	13.18	
32 31 13 00-0204 LF 4' High Fence, Aluminum Fence Insert.....	15.46	
32 31 13 00-0205 LF 5' High Fence, Aluminum Fence Insert.....	19.38	
32 31 13 00-0206 LF 6' High Fence, Aluminum Fence Insert.....	23.24	
32 31 13 00-0207 LF 7' High Fence, Aluminum Fence Insert.....	25.84	
32 31 13 00-0208 LF 8' High Fence, Aluminum Fence Insert.....	30.98	
32 31 13 00-0209 LF 10' High Fence, Aluminum Fence Insert.....	37.72	
32 31 13 00-0210 Redwood Fence Inserts <small>(32 31 13 00-0191)</small>		
32 31 13 00-0211 LF 4' High Fence, Redwood Fence Insert.....	10.56	
32 31 13 00-0212 LF 5' High Fence, Redwood Fence Insert.....	13.36	
32 31 13 00-0213 LF 6' High Fence, Redwood Fence Insert.....	16.05	
32 31 13 00-0214 LF 7' High Fence, Redwood Fence Insert.....	18.68	
32 31 13 00-0215 LF 8' High Fence, Redwood Fence Insert.....	21.38	
32 31 13 00-0216 Diagonal Flexible Polyethylene Inserts <small>(32 31 13 00-0191)</small>		
32 31 13 00-0217 SF Diagonal Polyethylene Fence Weave.....	2.37	
32 31 13 00-0218 Hedge Link Fence Inserts <small>(32 31 13 00-0191)</small>		
32 31 13 00-0219 LF 3' High Fence, Hedge Link Fence Insert.....	12.01	
32 31 13 00-0220 LF 3-1/2' High Fence, Hedge Link Fence Insert.....	13.68	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 00-0221	LF	4' High Fence, Hedge Link Fence Insert.....		16.20	
32 31 13 00-0222	LF	5' High Fence, Hedge Link Fence Insert.....		20.04	
32 31 13 00-0223	LF	6' High Fence, Hedge Link Fence Insert.....		23.08	
32 31 13 00-0224	LF	7' High Fence, Hedge Link Fence Insert.....		28.82	
32 31 13 00-0225	LF	8' High Fence, Hedge Link Fence Insert.....		32.75	
32 31 13 00-0226	LF	10' High Fence, Hedge Link Fence Insert.....		38.97	
32 31 13 00-0227	LF	12' High Fence, Hedge Link Fence Insert.....		44.65	
32 31 13 00-0228		Fence Windscreen Fabric (32 31 13 00-0146)			
		Note: Includes plastic wire clips.			
32 31 13 00-0229	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY.....		1.78	
		For Sewn Boxed Vent (Each), Add		14.03	
		For Welded Boxed Vent (Each), Add		7.02	
		For 4' x 4' One Color Logo (Each), Add		292.32	
32 31 13 00-0230		Non-Climbable Fabric, Galvanized Chain Link (32 31 13 00-0146)			
32 31 13 00-0231	LF	3' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		17.07	1.44
		For 11 Gauge, Deduct		-2.48	
		For 10 Gauge, Deduct		-0.99	
		For 7 Gauge, Add		1.49	
		For 6 Gauge, Add		3.47	
		For 1/2" Mesh Fabric, Deduct		-0.62	
		For 5/8" Mesh Fabric, Deduct		-1.37	
		For 3/4" Mesh Fabric, Deduct		-1.99	
32 31 13 00-0232	LF	3'-6" Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		19.50	1.61
		For 11 Gauge, Deduct		-2.90	
		For 10 Gauge, Deduct		-1.16	
		For 7 Gauge, Add		1.74	
		For 6 Gauge, Add		4.05	
		For 1/2" Mesh Fabric, Deduct		-0.72	
		For 5/8" Mesh Fabric, Deduct		-1.59	
		For 3/4" Mesh Fabric, Deduct		-2.32	
32 31 13 00-0233	LF	4' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		21.93	1.79
		For 11 Gauge, Deduct		-3.31	
		For 10 Gauge, Deduct		-1.32	
		For 7 Gauge, Add		1.99	
		For 6 Gauge, Add		4.64	
		For 1/2" Mesh Fabric, Deduct		-0.83	
		For 5/8" Mesh Fabric, Deduct		-1.82	
		For 3/4" Mesh Fabric, Deduct		-2.65	
32 31 13 00-0234	LF	5' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		26.43	2.15
		For 11 Gauge, Deduct		-4.14	
		For 10 Gauge, Deduct		-1.66	
		For 7 Gauge, Add		2.48	
		For 6 Gauge, Add		5.79	
		For 1/2" Mesh Fabric, Deduct		-1.03	
		For 5/8" Mesh Fabric, Deduct		-2.28	
		For 3/4" Mesh Fabric, Deduct		-3.31	
32 31 13 00-0235	LF	6' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		30.97	2.51
		For 11 Gauge, Deduct		-4.96	
		For 10 Gauge, Deduct		-1.99	
		For 7 Gauge, Add		2.98	
		For 6 Gauge, Add		6.95	
		For 1/2" Mesh Fabric, Deduct		-1.24	
		For 5/8" Mesh Fabric, Deduct		-2.73	
		For 3/4" Mesh Fabric, Deduct		-3.97	
32 31 13 00-0236	LF	7' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		35.58	2.87
		For 11 Gauge, Deduct		-5.79	
		For 10 Gauge, Deduct		-2.32	
		For 7 Gauge, Add		3.48	
		For 6 Gauge, Add		8.11	
		For 1/2" Mesh Fabric, Deduct		-1.45	
		For 5/8" Mesh Fabric, Deduct		-3.19	
		For 3/4" Mesh Fabric, Deduct		-4.63	
32 31 13 00-0237	LF	8' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		40.28	3.58
		For 11 Gauge, Deduct		-6.62	
		For 10 Gauge, Deduct		-2.65	
		For 7 Gauge, Add		3.97	
		For 6 Gauge, Add		9.27	
		For 1/2" Mesh Fabric, Deduct		-1.66	
		For 5/8" Mesh Fabric, Deduct		-3.64	
		For 3/4" Mesh Fabric, Deduct		-5.30	
32 31 13 00-0238	LF	9' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....		44.38	3.76
		For 11 Gauge, Deduct		-7.37	
		For 10 Gauge, Deduct		-2.95	
		For 7 Gauge, Add		4.42	
		For 6 Gauge, Add		10.32	
		For 1/2" Mesh Fabric, Deduct		-1.84	
		For 5/8" Mesh Fabric, Deduct		-4.05	
		For 3/4" Mesh Fabric, Deduct		-5.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0239 LF 10' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	48.50	3.95
<i>For 11 Gauge, Deduct</i>	-8.12	
<i>For 10 Gauge, Deduct</i>	-3.25	
<i>For 7 Gauge, Add</i>	4.87	
<i>For 6 Gauge, Add</i>	11.37	
<i>For 1/2" Mesh Fabric, Deduct</i>	-2.03	
<i>For 5/8" Mesh Fabric, Deduct</i>	-4.46	
<i>For 3/4" Mesh Fabric, Deduct</i>	-6.49	
32 31 13 00-0240 LF 12' Non-Climbable Fabric Chain Link #9 Gauge, 3/8" Mesh.....	52.61	4.31
<i>For 11 Gauge, Deduct</i>	-8.80	
<i>For 10 Gauge, Deduct</i>	-3.52	
<i>For 7 Gauge, Add</i>	5.28	
<i>For 6 Gauge, Add</i>	12.32	
<i>For 1/2" Mesh Fabric, Deduct</i>	-2.20	
<i>For 5/8" Mesh Fabric, Deduct</i>	-4.84	
<i>For 3/4" Mesh Fabric, Deduct</i>	-7.04	
32 31 13 00-0241 Gates <small>(32 31 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be).		
32 31 13 00-0242 Galvanized Steel Without Barbed Wire <small>(32 31 13 00-0241)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 00-0243 4' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0244 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	163.75	18.39
<i>For Gate With Single Barb Wire Arm, Add</i>	11.69	
<i>For Gate With Double Barb Wire Arm, Add</i>	17.00	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-19.93	
<i>For Aluminized Steel Gate And Post, Add</i>	51.01	
<i>For Powder Coated Gate And Post, Add</i>	27.63	
32 31 13 00-0245 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	199.18	19.16
<i>For Gate With Single Barb Wire Arm, Add</i>	15.59	
<i>For Gate With Double Barb Wire Arm, Add</i>	22.67	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-26.57	
<i>For Aluminized Steel Gate And Post, Add</i>	68.02	
<i>For Powder Coated Gate And Post, Add</i>	36.84	
32 31 13 00-0246 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	232.39	20.38
<i>For Gate With Single Barb Wire Arm, Add</i>	18.82	
<i>For Gate With Double Barb Wire Arm, Add</i>	27.37	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.08	
<i>For Aluminized Steel Gate And Post, Add</i>	82.12	
<i>For Powder Coated Gate And Post, Add</i>	44.48	
32 31 13 00-0247 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	274.05	24.52
<i>For Gate With Single Barb Wire Arm, Add</i>	22.05	
<i>For Gate With Double Barb Wire Arm, Add</i>	32.08	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-37.59	
<i>For Aluminized Steel Gate And Post, Add</i>	96.23	
<i>For Powder Coated Gate And Post, Add</i>	52.12	
32 31 13 00-0248 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	315.68	28.58
<i>For Gate With Single Barb Wire Arm, Add</i>	25.28	
<i>For Gate With Double Barb Wire Arm, Add</i>	36.78	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-43.10	
<i>For Aluminized Steel Gate And Post, Add</i>	110.33	
<i>For Powder Coated Gate And Post, Add</i>	59.76	
32 31 13 00-0249 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	358.53	32.65
<i>For Gate With Single Barb Wire Arm, Add</i>	28.65	
<i>For Gate With Double Barb Wire Arm, Add</i>	41.67	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.83	
<i>For Aluminized Steel Gate And Post, Add</i>	125.01	
<i>For Powder Coated Gate And Post, Add</i>	67.71	
32 31 13 00-0250 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	400.16	36.78
<i>For Gate With Single Barb Wire Arm, Add</i>	31.88	
<i>For Gate With Double Barb Wire Arm, Add</i>	46.37	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.34	
<i>For Aluminized Steel Gate And Post, Add</i>	139.11	
<i>For Powder Coated Gate And Post, Add</i>	75.35	
32 31 13 00-0251 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	442.31	40.84
<i>For Gate With Single Barb Wire Arm, Add</i>	35.17	
<i>For Gate With Double Barb Wire Arm, Add</i>	51.16	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.95	
<i>For Aluminized Steel Gate And Post, Add</i>	153.47	
<i>For Powder Coated Gate And Post, Add</i>	83.13	
32 31 13 00-0252 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	547.74	40.84
<i>For Gate With Single Barb Wire Arm, Add</i>	46.77	
<i>For Gate With Double Barb Wire Arm, Add</i>	68.02	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-79.71	
<i>For Aluminized Steel Gate And Post, Add</i>	204.07	
<i>For Powder Coated Gate And Post, Add</i>	110.54	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0253	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	641.52	43.75
		<i>For Gate With Single Barb Wire Arm, Add</i>	56.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	81.63	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-95.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	244.88	
		<i>For Powder Coated Gate And Post, Add</i>	132.64	
32 31 13 00-0254	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	736.66	47.13
		<i>For Gate With Single Barb Wire Arm, Add</i>	65.47	
		<i>For Gate With Double Barb Wire Arm, Add</i>	95.23	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-111.60	
		<i>For Aluminized Steel Gate And Post, Add</i>	285.69	
		<i>For Powder Coated Gate And Post, Add</i>	154.75	
32 31 13 00-0255	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	833.47	51.04
		<i>For Gate With Single Barb Wire Arm, Add</i>	74.82	
		<i>For Gate With Double Barb Wire Arm, Add</i>	108.84	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-127.54	
		<i>For Aluminized Steel Gate And Post, Add</i>	326.51	
		<i>For Powder Coated Gate And Post, Add</i>	176.86	
32 31 13 00-0256	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	949.04	61.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	84.18	
		<i>For Gate With Double Barb Wire Arm, Add</i>	122.44	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-143.48	
		<i>For Aluminized Steel Gate And Post, Add</i>	367.32	
		<i>For Powder Coated Gate And Post, Add</i>	198.97	
32 31 13 00-0257	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,047.19	65.56
		<i>For Gate With Single Barb Wire Arm, Add</i>	93.53	
		<i>For Gate With Double Barb Wire Arm, Add</i>	136.04	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-159.43	
		<i>For Aluminized Steel Gate And Post, Add</i>	408.13	
		<i>For Powder Coated Gate And Post, Add</i>	221.07	
32 31 13 00-0258	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,145.30	70.65
		<i>For Gate With Single Barb Wire Arm, Add</i>	102.66	
		<i>For Gate With Double Barb Wire Arm, Add</i>	149.32	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-174.98	
		<i>For Aluminized Steel Gate And Post, Add</i>	447.95	
		<i>For Powder Coated Gate And Post, Add</i>	242.64	
32 31 13 00-0259	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,245.93	76.50
		<i>For Gate With Single Barb Wire Arm, Add</i>	111.78	
		<i>For Gate With Double Barb Wire Arm, Add</i>	162.59	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.53	
		<i>For Aluminized Steel Gate And Post, Add</i>	487.77	
		<i>For Powder Coated Gate And Post, Add</i>	264.21	
32 31 13 00-0260	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,349.77	83.48
		<i>For Gate With Single Barb Wire Arm, Add</i>	120.91	
		<i>For Gate With Double Barb Wire Arm, Add</i>	175.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-206.09	
		<i>For Aluminized Steel Gate And Post, Add</i>	527.59	
		<i>For Powder Coated Gate And Post, Add</i>	285.78	
32 31 13 00-0261	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,426.67	91.84
		<i>For Gate With Single Barb Wire Arm, Add</i>	126.61	
		<i>For Gate With Double Barb Wire Arm, Add</i>	184.16	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.81	
		<i>For Aluminized Steel Gate And Post, Add</i>	552.47	
		<i>For Powder Coated Gate And Post, Add</i>	299.25	
32 31 13 00-0262	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,581.73	102.00
		<i>For Gate With Single Barb Wire Arm, Add</i>	140.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	204.07	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-239.14	
		<i>For Aluminized Steel Gate And Post, Add</i>	612.20	
		<i>For Powder Coated Gate And Post, Add</i>	331.61	
32 31 13 00-0263		5' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0264	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	192.64	20.38
		<i>For Gate With Single Barb Wire Arm, Add</i>	14.45	
		<i>For Gate With Double Barb Wire Arm, Add</i>	21.01	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-24.63	
		<i>For Aluminized Steel Gate And Post, Add</i>	63.04	
		<i>For Powder Coated Gate And Post, Add</i>	34.15	
32 31 13 00-0265	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	235.85	20.38
		<i>For Gate With Single Barb Wire Arm, Add</i>	19.20	
		<i>For Gate With Double Barb Wire Arm, Add</i>	27.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-32.73	
		<i>For Aluminized Steel Gate And Post, Add</i>	83.78	
		<i>For Powder Coated Gate And Post, Add</i>	45.38	
32 31 13 00-0266	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	272.53	21.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	22.81	
		<i>For Gate With Double Barb Wire Arm, Add</i>	33.18	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.88	
		<i>For Aluminized Steel Gate And Post, Add</i>	99.54	
		<i>For Powder Coated Gate And Post, Add</i>	53.92	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0267 EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	320.12	26.06
For Gate With Single Barb Wire Arm, Add	26.61	
For Gate With Double Barb Wire Arm, Add	38.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.37	
For Aluminized Steel Gate And Post, Add	116.14	
For Powder Coated Gate And Post, Add	62.91	
32 31 13 00-0268 EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	364.24	30.34
For Gate With Single Barb Wire Arm, Add	30.04	
For Gate With Double Barb Wire Arm, Add	43.69	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.20	
For Aluminized Steel Gate And Post, Add	131.07	
For Powder Coated Gate And Post, Add	71.00	
32 31 13 00-0269 EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	412.61	34.94
For Gate With Single Barb Wire Arm, Add	33.84	
For Gate With Double Barb Wire Arm, Add	49.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.68	
For Aluminized Steel Gate And Post, Add	147.66	
For Powder Coated Gate And Post, Add	79.98	
32 31 13 00-0270 EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	458.47	39.31
For Gate With Single Barb Wire Arm, Add	37.45	
For Gate With Double Barb Wire Arm, Add	54.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.84	
For Aluminized Steel Gate And Post, Add	163.42	
For Powder Coated Gate And Post, Add	88.52	
32 31 13 00-0271 EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	504.33	43.60
For Gate With Single Barb Wire Arm, Add	41.06	
For Gate With Double Barb Wire Arm, Add	59.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.99	
For Aluminized Steel Gate And Post, Add	179.18	
For Powder Coated Gate And Post, Add	97.06	
32 31 13 00-0272 EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	658.12	43.75
For Gate With Single Barb Wire Arm, Add	57.94	
For Gate With Double Barb Wire Arm, Add	84.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.77	
For Aluminized Steel Gate And Post, Add	252.84	
For Powder Coated Gate And Post, Add	136.96	
32 31 13 00-0273 EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	773.99	47.13
For Gate With Single Barb Wire Arm, Add	69.58	
For Gate With Double Barb Wire Arm, Add	101.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.60	
For Aluminized Steel Gate And Post, Add	303.61	
For Powder Coated Gate And Post, Add	164.46	
32 31 13 00-0274 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	891.54	51.04
For Gate With Single Barb Wire Arm, Add	81.21	
For Gate With Double Barb Wire Arm, Add	118.13	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.43	
For Aluminized Steel Gate And Post, Add	354.38	
For Powder Coated Gate And Post, Add	191.96	
32 31 13 00-0275 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,027.84	61.16
For Gate With Single Barb Wire Arm, Add	92.85	
For Gate With Double Barb Wire Arm, Add	135.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.26	
For Aluminized Steel Gate And Post, Add	405.14	
For Powder Coated Gate And Post, Add	219.45	
32 31 13 00-0276 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,144.66	65.56
For Gate With Single Barb Wire Arm, Add	104.25	
For Gate With Double Barb Wire Arm, Add	151.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-177.70	
For Aluminized Steel Gate And Post, Add	454.92	
For Powder Coated Gate And Post, Add	246.41	
32 31 13 00-0277 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,267.65	70.65
For Gate With Single Barb Wire Arm, Add	116.11	
For Gate With Double Barb Wire Arm, Add	168.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.92	
For Aluminized Steel Gate And Post, Add	506.68	
For Powder Coated Gate And Post, Add	274.45	
32 31 13 00-0278 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,391.10	76.50
For Gate With Single Barb Wire Arm, Add	127.75	
For Gate With Double Barb Wire Arm, Add	185.82	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-217.75	
For Aluminized Steel Gate And Post, Add	557.45	
For Powder Coated Gate And Post, Add	301.95	
32 31 13 00-0279 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,515.67	83.48
For Gate With Single Barb Wire Arm, Add	139.15	
For Gate With Double Barb Wire Arm, Add	202.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-237.20	
For Aluminized Steel Gate And Post, Add	607.22	
For Powder Coated Gate And Post, Add	328.91	
32 31 13 00-0280 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,648.57	91.84
For Gate With Single Barb Wire Arm, Add	151.02	
For Gate With Double Barb Wire Arm, Add	219.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-257.42	
For Aluminized Steel Gate And Post, Add	658.98	
For Powder Coated Gate And Post, Add	356.95	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0281	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,783.66	102.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	162.51	
			<i>For Gate With Double Barb Wire Arm, Add</i>	236.37	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-277.00	
			<i>For Aluminized Steel Gate And Post, Add</i>	709.12	
			<i>For Powder Coated Gate And Post, Add</i>	384.11	
32 31	13 00-0282	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,924.88	114.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	173.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	252.84	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-296.30	
			<i>For Aluminized Steel Gate And Post, Add</i>	758.53	
			<i>For Powder Coated Gate And Post, Add</i>	410.87	
32 31	13 00-0283		6' Fence Height <small>(32 31 13 00-0242)</small>		
32 31	13 00-0284	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	206.53	21.84
			<i>For Gate With Single Barb Wire Arm, Add</i>	15.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	22.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-26.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	67.61	
			<i>For Powder Coated Gate And Post, Add</i>	36.62	
32 31	13 00-0285	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	253.19	21.84
			<i>For Gate With Single Barb Wire Arm, Add</i>	20.63	
			<i>For Gate With Double Barb Wire Arm, Add</i>	30.00	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-35.16	
			<i>For Aluminized Steel Gate And Post, Add</i>	90.00	
			<i>For Powder Coated Gate And Post, Add</i>	48.75	
32 31	13 00-0286	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	292.93	23.21
			<i>For Gate With Single Barb Wire Arm, Add</i>	24.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	35.71	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-41.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	107.14	
			<i>For Powder Coated Gate And Post, Add</i>	58.03	
32 31	13 00-0287	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	341.79	28.05
			<i>For Gate With Single Barb Wire Arm, Add</i>	28.33	
			<i>For Gate With Double Barb Wire Arm, Add</i>	41.20	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-48.28	
			<i>For Aluminized Steel Gate And Post, Add</i>	123.60	
			<i>For Powder Coated Gate And Post, Add</i>	66.95	
32 31	13 00-0288	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	392.64	32.95
			<i>For Gate With Single Barb Wire Arm, Add</i>	32.32	
			<i>For Gate With Double Barb Wire Arm, Add</i>	47.01	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-55.09	
			<i>For Aluminized Steel Gate And Post, Add</i>	141.02	
			<i>For Powder Coated Gate And Post, Add</i>	76.39	
32 31	13 00-0289	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	440.99	37.55
			<i>For Gate With Single Barb Wire Arm, Add</i>	36.12	
			<i>For Gate With Double Barb Wire Arm, Add</i>	52.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-61.57	
			<i>For Aluminized Steel Gate And Post, Add</i>	157.61	
			<i>For Powder Coated Gate And Post, Add</i>	85.37	
32 31	13 00-0290	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	490.12	42.37
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	58.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-68.05	
			<i>For Aluminized Steel Gate And Post, Add</i>	174.20	
			<i>For Powder Coated Gate And Post, Add</i>	94.36	
32 31	13 00-0291	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire.....	523.68	47.20
			<i>For Gate With Single Barb Wire Arm, Add</i>	42.01	
			<i>For Gate With Double Barb Wire Arm, Add</i>	61.11	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.61	
			<i>For Aluminized Steel Gate And Post, Add</i>	183.33	
			<i>For Powder Coated Gate And Post, Add</i>	99.30	
32 31	13 00-0292	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	703.48	47.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	61.82	
			<i>For Gate With Double Barb Wire Arm, Add</i>	89.92	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-105.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	269.76	
			<i>For Powder Coated Gate And Post, Add</i>	146.12	
32 31	13 00-0293	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	827.25	51.04
			<i>For Gate With Single Barb Wire Arm, Add</i>	74.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	107.84	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-126.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	323.52	
			<i>For Powder Coated Gate And Post, Add</i>	175.24	
32 31	13 00-0294	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	984.98	65.56
			<i>For Gate With Single Barb Wire Arm, Add</i>	86.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	126.09	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-147.76	
			<i>For Aluminized Steel Gate And Post, Add</i>	378.27	
			<i>For Powder Coated Gate And Post, Add</i>	204.90	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0295 EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,112.12	70.65
For Gate With Single Barb Wire Arm, Add	99.01	
For Gate With Double Barb Wire Arm, Add	144.01	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-168.76	
For Aluminized Steel Gate And Post, Add	432.02	
For Powder Coated Gate And Post, Add	234.01	
32 31 13 00-0296 EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,243.86	76.50
For Gate With Single Barb Wire Arm, Add	111.55	
For Gate With Double Barb Wire Arm, Add	162.26	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-190.15	
For Aluminized Steel Gate And Post, Add	486.77	
For Powder Coated Gate And Post, Add	263.67	
32 31 13 00-0297 EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,378.80	83.48
For Gate With Single Barb Wire Arm, Add	124.10	
For Gate With Double Barb Wire Arm, Add	180.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-211.53	
For Aluminized Steel Gate And Post, Add	541.52	
For Powder Coated Gate And Post, Add	293.32	
32 31 13 00-0298 EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,515.85	91.84
For Gate With Single Barb Wire Arm, Add	136.42	
For Gate With Double Barb Wire Arm, Add	198.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-232.53	
For Aluminized Steel Gate And Post, Add	595.28	
For Powder Coated Gate And Post, Add	322.44	
32 31 13 00-0299 EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,659.50	102.00
For Gate With Single Barb Wire Arm, Add	148.85	
For Gate With Double Barb Wire Arm, Add	216.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-253.72	
For Aluminized Steel Gate And Post, Add	649.53	
For Powder Coated Gate And Post, Add	351.83	
32 31 13 00-0300 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,809.57	114.76
For Gate With Single Barb Wire Arm, Add	161.15	
For Gate With Double Barb Wire Arm, Add	234.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-274.68	
For Aluminized Steel Gate And Post, Add	703.18	
For Powder Coated Gate And Post, Add	380.89	
32 31 13 00-0301 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,972.03	131.13
For Gate With Single Barb Wire Arm, Add	173.60	
For Gate With Double Barb Wire Arm, Add	252.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-295.91	
For Aluminized Steel Gate And Post, Add	757.53	
For Powder Coated Gate And Post, Add	410.33	
32 31 13 00-0302 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,151.11	153.01
For Gate With Single Barb Wire Arm, Add	186.08	
For Gate With Double Barb Wire Arm, Add	270.66	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-317.18	
For Aluminized Steel Gate And Post, Add	811.98	
For Powder Coated Gate And Post, Add	439.82	
32 31 13 00-0303 7' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0304 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	217.63	23.53
For Gate With Single Barb Wire Arm, Add	16.16	
For Gate With Double Barb Wire Arm, Add	23.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.54	
For Aluminized Steel Gate And Post, Add	70.51	
For Powder Coated Gate And Post, Add	38.19	
32 31 13 00-0305 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	266.02	23.53
For Gate With Single Barb Wire Arm, Add	21.48	
For Gate With Double Barb Wire Arm, Add	31.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-36.62	
For Aluminized Steel Gate And Post, Add	93.74	
For Powder Coated Gate And Post, Add	50.78	
32 31 13 00-0306 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	308.81	24.75
For Gate With Single Barb Wire Arm, Add	25.79	
For Gate With Double Barb Wire Arm, Add	37.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.97	
For Aluminized Steel Gate And Post, Add	112.55	
For Powder Coated Gate And Post, Add	60.96	
32 31 13 00-0307 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	378.13	30.12
For Gate With Single Barb Wire Arm, Add	31.65	
For Gate With Double Barb Wire Arm, Add	46.03	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.95	
For Aluminized Steel Gate And Post, Add	138.10	
For Powder Coated Gate And Post, Add	74.80	
32 31 13 00-0308 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	446.70	35.24
For Gate With Single Barb Wire Arm, Add	37.51	
For Gate With Double Barb Wire Arm, Add	54.55	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.93	
For Aluminized Steel Gate And Post, Add	163.66	
For Powder Coated Gate And Post, Add	88.65	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0309	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	516.03	40.54
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.36	
			<i>For Gate With Double Barb Wire Arm, Add</i>	63.07	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-73.91	
			<i>For Aluminized Steel Gate And Post, Add</i>	189.21	
			<i>For Powder Coated Gate And Post, Add</i>	102.49	
32 31	13 00-0310	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	584.59	45.67
			<i>For Gate With Single Barb Wire Arm, Add</i>	49.22	
			<i>For Gate With Double Barb Wire Arm, Add</i>	71.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-83.89	
			<i>For Aluminized Steel Gate And Post, Add</i>	214.77	
			<i>For Powder Coated Gate And Post, Add</i>	116.33	
32 31	13 00-0311	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire.....	644.32	51.04
			<i>For Gate With Single Barb Wire Arm, Add</i>	54.02	
			<i>For Gate With Double Barb Wire Arm, Add</i>	78.57	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-92.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	235.71	
			<i>For Powder Coated Gate And Post, Add</i>	127.68	
32 31	13 00-0312	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	797.84	51.04
			<i>For Gate With Single Barb Wire Arm, Add</i>	70.90	
			<i>For Gate With Double Barb Wire Arm, Add</i>	103.13	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-120.86	
			<i>For Aluminized Steel Gate And Post, Add</i>	309.40	
			<i>For Powder Coated Gate And Post, Add</i>	167.59	
32 31	13 00-0313	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	913.65	65.56
			<i>For Gate With Single Barb Wire Arm, Add</i>	78.84	
			<i>For Gate With Double Barb Wire Arm, Add</i>	114.68	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-134.39	
			<i>For Aluminized Steel Gate And Post, Add</i>	344.03	
			<i>For Powder Coated Gate And Post, Add</i>	186.35	
32 31	13 00-0314	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,048.26	70.65
			<i>For Gate With Single Barb Wire Arm, Add</i>	91.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	133.79	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-156.79	
			<i>For Aluminized Steel Gate And Post, Add</i>	401.37	
			<i>For Powder Coated Gate And Post, Add</i>	217.41	
32 31	13 00-0315	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,175.42	76.50
			<i>For Gate With Single Barb Wire Arm, Add</i>	104.02	
			<i>For Gate With Double Barb Wire Arm, Add</i>	151.31	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-177.31	
			<i>For Aluminized Steel Gate And Post, Add</i>	453.92	
			<i>For Powder Coated Gate And Post, Add</i>	245.87	
32 31	13 00-0316	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,316.58	83.48
			<i>For Gate With Single Barb Wire Arm, Add</i>	117.25	
			<i>For Gate With Double Barb Wire Arm, Add</i>	170.55	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-199.87	
			<i>For Aluminized Steel Gate And Post, Add</i>	511.66	
			<i>For Powder Coated Gate And Post, Add</i>	277.15	
32 31	13 00-0317	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,459.85	91.84
			<i>For Gate With Single Barb Wire Arm, Add</i>	130.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	189.47	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	568.40	
			<i>For Powder Coated Gate And Post, Add</i>	307.88	
32 31	13 00-0318	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,608.69	102.00
			<i>For Gate With Single Barb Wire Arm, Add</i>	143.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	208.38	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-244.19	
			<i>For Aluminized Steel Gate And Post, Add</i>	625.14	
			<i>For Powder Coated Gate And Post, Add</i>	338.62	
32 31	13 00-0319	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,765.19	114.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	156.26	
			<i>For Gate With Double Barb Wire Arm, Add</i>	227.29	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-266.36	
			<i>For Aluminized Steel Gate And Post, Add</i>	681.88	
			<i>For Powder Coated Gate And Post, Add</i>	369.35	
32 31	13 00-0320	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	1,932.63	131.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	169.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	246.21	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-288.52	
			<i>For Aluminized Steel Gate And Post, Add</i>	738.62	
			<i>For Powder Coated Gate And Post, Add</i>	400.09	
32 31	13 00-0321	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,116.48	153.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	182.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	265.12	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-310.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	795.36	
			<i>For Powder Coated Gate And Post, Add</i>	430.82	
32 31	13 00-0322	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,326.59	183.59
			<i>For Gate With Single Barb Wire Arm, Add</i>	195.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	284.03	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-332.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	852.10	
			<i>For Powder Coated Gate And Post, Add</i>	461.55	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0323 8' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0324 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	252.07	25.52
For Gate With Single Barb Wire Arm, Add	19.30	
For Gate With Double Barb Wire Arm, Add	28.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-32.90	
For Aluminized Steel Gate And Post, Add	84.21	
For Powder Coated Gate And Post, Add	45.61	
32 31 13 00-0325 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	310.55	25.52
For Gate With Single Barb Wire Arm, Add	25.73	
For Gate With Double Barb Wire Arm, Add	37.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-43.86	
For Aluminized Steel Gate And Post, Add	112.28	
For Powder Coated Gate And Post, Add	60.82	
32 31 13 00-0326 EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	360.55	28.43
For Gate With Single Barb Wire Arm, Add	30.26	
For Gate With Double Barb Wire Arm, Add	44.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-51.58	
For Aluminized Steel Gate And Post, Add	132.05	
For Powder Coated Gate And Post, Add	71.53	
32 31 13 00-0327 EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	412.86	32.19
For Gate With Single Barb Wire Arm, Add	34.79	
For Gate With Double Barb Wire Arm, Add	50.61	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.31	
For Aluminized Steel Gate And Post, Add	151.83	
For Powder Coated Gate And Post, Add	82.24	
32 31 13 00-0328 EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	473.99	38.77
For Gate With Single Barb Wire Arm, Add	39.33	
For Gate With Double Barb Wire Arm, Add	57.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.03	
For Aluminized Steel Gate And Post, Add	171.60	
For Powder Coated Gate And Post, Add	92.95	
32 31 13 00-0329 EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	534.34	45.14
For Gate With Single Barb Wire Arm, Add	43.86	
For Gate With Double Barb Wire Arm, Add	63.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.76	
For Aluminized Steel Gate And Post, Add	191.38	
For Powder Coated Gate And Post, Add	103.66	
32 31 13 00-0330 EA 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	595.46	51.80
For Gate With Single Barb Wire Arm, Add	48.39	
For Gate With Double Barb Wire Arm, Add	70.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.48	
For Aluminized Steel Gate And Post, Add	211.16	
For Powder Coated Gate And Post, Add	114.38	
32 31 13 00-0331 EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	656.58	58.47
For Gate With Single Barb Wire Arm, Add	52.92	
For Gate With Double Barb Wire Arm, Add	76.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-90.21	
For Aluminized Steel Gate And Post, Add	230.93	
For Powder Coated Gate And Post, Add	125.09	
32 31 13 00-0332 EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	918.60	65.56
For Gate With Single Barb Wire Arm, Add	79.38	
For Gate With Double Barb Wire Arm, Add	115.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-135.32	
For Aluminized Steel Gate And Post, Add	346.41	
For Powder Coated Gate And Post, Add	187.64	
32 31 13 00-0333 EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,072.71	70.65
For Gate With Single Barb Wire Arm, Add	94.67	
For Gate With Double Barb Wire Arm, Add	137.70	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.37	
For Aluminized Steel Gate And Post, Add	413.11	
For Powder Coated Gate And Post, Add	223.77	
32 31 13 00-0334 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,231.41	76.50
For Gate With Single Barb Wire Arm, Add	110.18	
For Gate With Double Barb Wire Arm, Add	160.27	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-187.81	
For Aluminized Steel Gate And Post, Add	480.80	
For Powder Coated Gate And Post, Add	260.43	
32 31 13 00-0335 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,397.46	83.48
For Gate With Single Barb Wire Arm, Add	126.15	
For Gate With Double Barb Wire Arm, Add	183.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.03	
For Aluminized Steel Gate And Post, Add	550.48	
For Powder Coated Gate And Post, Add	298.18	
32 31 13 00-0336 EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,567.69	91.84
For Gate With Single Barb Wire Arm, Add	142.12	
For Gate With Double Barb Wire Arm, Add	206.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-242.25	
For Aluminized Steel Gate And Post, Add	620.16	
For Powder Coated Gate And Post, Add	335.92	
32 31 13 00-0337 EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,741.42	102.00
For Gate With Single Barb Wire Arm, Add	157.86	
For Gate With Double Barb Wire Arm, Add	229.62	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-269.08	
For Aluminized Steel Gate And Post, Add	688.85	
For Powder Coated Gate And Post, Add	373.13	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0338	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	1,920.73	114.76
			<i>For Gate With Single Barb Wire Arm, Add</i>	173.37	
			<i>For Gate With Double Barb Wire Arm, Add</i>	252.18	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-295.52	
			<i>For Aluminized Steel Gate And Post, Add</i>	756.54	
			<i>For Powder Coated Gate And Post, Add</i>	409.79	
32 31	13 00-0339	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,115.13	131.13
			<i>For Gate With Single Barb Wire Arm, Add</i>	189.34	
			<i>For Gate With Double Barb Wire Arm, Add</i>	275.41	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-322.74	
			<i>For Aluminized Steel Gate And Post, Add</i>	826.22	
			<i>For Powder Coated Gate And Post, Add</i>	447.54	
32 31	13 00-0340	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,325.94	153.01
			<i>For Gate With Single Barb Wire Arm, Add</i>	205.31	
			<i>For Gate With Double Barb Wire Arm, Add</i>	298.63	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-349.96	
			<i>For Aluminized Steel Gate And Post, Add</i>	895.90	
			<i>For Powder Coated Gate And Post, Add</i>	485.28	
32 31	13 00-0341	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,560.93	183.59
			<i>For Gate With Single Barb Wire Arm, Add</i>	221.05	
			<i>For Gate With Double Barb Wire Arm, Add</i>	321.53	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-376.79	
			<i>For Aluminized Steel Gate And Post, Add</i>	964.58	
			<i>For Powder Coated Gate And Post, Add</i>	522.48	
32 31	13 00-0342	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,841.88	229.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	236.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	344.42	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-403.62	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,033.27	
			<i>For Powder Coated Gate And Post, Add</i>	559.69	
32 31	13 00-0343		10' Fence Height <small>(32 31 13 00-0242)</small>		
32 31	13 00-0344	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	312.01	28.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	24.95	
			<i>For Gate With Double Barb Wire Arm, Add</i>	36.30	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-42.54	
			<i>For Aluminized Steel Gate And Post, Add</i>	108.89	
			<i>For Powder Coated Gate And Post, Add</i>	58.98	
32 31	13 00-0345	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	387.64	28.35
			<i>For Gate With Single Barb Wire Arm, Add</i>	33.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	48.40	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-56.72	
			<i>For Aluminized Steel Gate And Post, Add</i>	145.20	
			<i>For Powder Coated Gate And Post, Add</i>	78.65	
32 31	13 00-0346	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	444.66	29.58
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.13	
			<i>For Gate With Double Barb Wire Arm, Add</i>	56.92	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.71	
			<i>For Aluminized Steel Gate And Post, Add</i>	170.77	
			<i>For Powder Coated Gate And Post, Add</i>	92.50	
32 31	13 00-0347	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	519.39	36.78
			<i>For Gate With Single Barb Wire Arm, Add</i>	45.00	
			<i>For Gate With Double Barb Wire Arm, Add</i>	65.45	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-76.70	
			<i>For Aluminized Steel Gate And Post, Add</i>	196.34	
			<i>For Powder Coated Gate And Post, Add</i>	106.35	
32 31	13 00-0348	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	593.67	43.60
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.85	
			<i>For Gate With Double Barb Wire Arm, Add</i>	73.97	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-86.68	
			<i>For Aluminized Steel Gate And Post, Add</i>	221.91	
			<i>For Powder Coated Gate And Post, Add</i>	120.20	
32 31	13 00-0349	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	668.07	50.80
			<i>For Gate With Single Barb Wire Arm, Add</i>	56.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	82.49	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-96.67	
			<i>For Aluminized Steel Gate And Post, Add</i>	247.48	
			<i>For Powder Coated Gate And Post, Add</i>	134.05	
32 31	13 00-0350	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	742.04	57.70
			<i>For Gate With Single Barb Wire Arm, Add</i>	62.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	91.02	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-106.66	
			<i>For Aluminized Steel Gate And Post, Add</i>	273.06	
			<i>For Powder Coated Gate And Post, Add</i>	147.91	
32 31	13 00-0351	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire.....	816.78	64.83
			<i>For Gate With Single Barb Wire Arm, Add</i>	68.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	99.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-116.65	
			<i>For Aluminized Steel Gate And Post, Add</i>	298.63	
			<i>For Powder Coated Gate And Post, Add</i>	161.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0352 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,152.02	72.88
<i>For Gate With Single Barb Wire Arm, Add</i>	102.65	
<i>For Gate With Double Barb Wire Arm, Add</i>	149.32	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-174.98	
<i>For Aluminized Steel Gate And Post, Add</i>	447.95	
<i>For Powder Coated Gate And Post, Add</i>	242.64	
32 31 13 00-0353 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,251.75	78.40
<i>For Gate With Single Barb Wire Arm, Add</i>	111.78	
<i>For Gate With Double Barb Wire Arm, Add</i>	162.59	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-190.54	
<i>For Aluminized Steel Gate And Post, Add</i>	487.78	
<i>For Powder Coated Gate And Post, Add</i>	264.21	
32 31 13 00-0354 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,420.77	85.03
<i>For Gate With Single Barb Wire Arm, Add</i>	128.21	
<i>For Gate With Double Barb Wire Arm, Add</i>	186.48	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-218.53	
<i>For Aluminized Steel Gate And Post, Add</i>	559.44	
<i>For Powder Coated Gate And Post, Add</i>	303.03	
32 31 13 00-0355 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,609.77	92.70
<i>For Gate With Single Barb Wire Arm, Add</i>	146.46	
<i>For Gate With Double Barb Wire Arm, Add</i>	213.03	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-249.64	
<i>For Aluminized Steel Gate And Post, Add</i>	639.08	
<i>For Powder Coated Gate And Post, Add</i>	346.17	
32 31 13 00-0356 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	1,803.63	102.00
<i>For Gate With Single Barb Wire Arm, Add</i>	164.70	
<i>For Gate With Double Barb Wire Arm, Add</i>	239.57	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-280.75	
<i>For Aluminized Steel Gate And Post, Add</i>	718.71	
<i>For Powder Coated Gate And Post, Add</i>	389.30	
32 31 13 00-0357 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,004.45	113.29
<i>For Gate With Single Barb Wire Arm, Add</i>	183.07	
<i>For Gate With Double Barb Wire Arm, Add</i>	266.28	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-312.05	
<i>For Aluminized Steel Gate And Post, Add</i>	798.84	
<i>For Powder Coated Gate And Post, Add</i>	432.71	
32 31 13 00-0358 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,214.10	127.51
<i>For Gate With Single Barb Wire Arm, Add</i>	201.43	
<i>For Gate With Double Barb Wire Arm, Add</i>	292.99	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-343.35	
<i>For Aluminized Steel Gate And Post, Add</i>	878.98	
<i>For Powder Coated Gate And Post, Add</i>	476.11	
32 31 13 00-0359 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,434.44	145.60
<i>For Gate With Single Barb Wire Arm, Add</i>	219.68	
<i>For Gate With Double Barb Wire Arm, Add</i>	319.54	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-374.46	
<i>For Aluminized Steel Gate And Post, Add</i>	958.61	
<i>For Powder Coated Gate And Post, Add</i>	519.25	
32 31 13 00-0360 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,673.55	169.98
<i>For Gate With Single Barb Wire Arm, Add</i>	237.93	
<i>For Gate With Double Barb Wire Arm, Add</i>	346.08	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-405.57	
<i>For Aluminized Steel Gate And Post, Add</i>	1,038.25	
<i>For Powder Coated Gate And Post, Add</i>	562.39	
32 31 13 00-0361 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	2,941.02	203.84
<i>For Gate With Single Barb Wire Arm, Add</i>	256.18	
<i>For Gate With Double Barb Wire Arm, Add</i>	372.63	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-436.67	
<i>For Aluminized Steel Gate And Post, Add</i>	1,117.88	
<i>For Powder Coated Gate And Post, Add</i>	605.52	
32 31 13 00-0362 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,262.71	255.01
<i>For Gate With Single Barb Wire Arm, Add</i>	274.66	
<i>For Gate With Double Barb Wire Arm, Add</i>	399.50	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-468.17	
<i>For Aluminized Steel Gate And Post, Add</i>	1,198.51	
<i>For Powder Coated Gate And Post, Add</i>	649.19	
32 31 13 00-0363 12' Fence Height <small>(32 31 13 00-0242)</small>		
32 31 13 00-0364 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	384.99	31.49
<i>For Gate With Single Barb Wire Arm, Add</i>	31.94	
<i>For Gate With Double Barb Wire Arm, Add</i>	46.46	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-54.45	
<i>For Aluminized Steel Gate And Post, Add</i>	139.39	
<i>For Powder Coated Gate And Post, Add</i>	75.50	
32 31 13 00-0365 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	481.78	31.49
<i>For Gate With Single Barb Wire Arm, Add</i>	42.59	
<i>For Gate With Double Barb Wire Arm, Add</i>	61.95	
<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-72.60	
<i>For Aluminized Steel Gate And Post, Add</i>	185.85	
<i>For Powder Coated Gate And Post, Add</i>	100.67	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0366	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	553.47	32.65
			<i>For Gate With Single Barb Wire Arm, Add</i>	50.09	
			<i>For Gate With Double Barb Wire Arm, Add</i>	72.86	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-85.38	
			<i>For Aluminized Steel Gate And Post, Add</i>	218.58	
			<i>For Powder Coated Gate And Post, Add</i>	118.40	
32 31	13 00-0367	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	645.42	40.54
			<i>For Gate With Single Barb Wire Arm, Add</i>	57.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	83.77	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-98.17	
			<i>For Aluminized Steel Gate And Post, Add</i>	251.32	
			<i>For Powder Coated Gate And Post, Add</i>	136.13	
32 31	13 00-0368	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	737.34	48.51
			<i>For Gate With Single Barb Wire Arm, Add</i>	65.09	
			<i>For Gate With Double Barb Wire Arm, Add</i>	94.68	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-110.95	
			<i>For Aluminized Steel Gate And Post, Add</i>	284.04	
			<i>For Powder Coated Gate And Post, Add</i>	153.86	
32 31	13 00-0369	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	828.53	56.16
			<i>For Gate With Single Barb Wire Arm, Add</i>	72.59	
			<i>For Gate With Double Barb Wire Arm, Add</i>	105.59	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-123.74	
			<i>For Aluminized Steel Gate And Post, Add</i>	316.78	
			<i>For Powder Coated Gate And Post, Add</i>	171.59	
32 31	13 00-0370	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	920.48	64.06
			<i>For Gate With Single Barb Wire Arm, Add</i>	80.10	
			<i>For Gate With Double Barb Wire Arm, Add</i>	116.50	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-136.53	
			<i>For Aluminized Steel Gate And Post, Add</i>	349.51	
			<i>For Powder Coated Gate And Post, Add</i>	189.32	
32 31	13 00-0371	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire.....	1,012.43	71.95
			<i>For Gate With Single Barb Wire Arm, Add</i>	87.60	
			<i>For Gate With Double Barb Wire Arm, Add</i>	127.41	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-149.31	
			<i>For Aluminized Steel Gate And Post, Add</i>	382.24	
			<i>For Powder Coated Gate And Post, Add</i>	207.05	
32 31	13 00-0372	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,352.62	80.98
			<i>For Gate With Single Barb Wire Arm, Add</i>	122.05	
			<i>For Gate With Double Barb Wire Arm, Add</i>	177.52	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-208.03	
			<i>For Aluminized Steel Gate And Post, Add</i>	532.56	
			<i>For Powder Coated Gate And Post, Add</i>	288.47	
32 31	13 00-0373	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,481.08	87.19
			<i>For Gate With Single Barb Wire Arm, Add</i>	134.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	195.11	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-228.64	
			<i>For Aluminized Steel Gate And Post, Add</i>	585.32	
			<i>For Powder Coated Gate And Post, Add</i>	317.05	
32 31	13 00-0374	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,681.40	94.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	153.75	
			<i>For Gate With Double Barb Wire Arm, Add</i>	223.64	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-262.08	
			<i>For Aluminized Steel Gate And Post, Add</i>	670.93	
			<i>For Powder Coated Gate And Post, Add</i>	363.42	
32 31	13 00-0375	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,906.21	102.95
			<i>For Gate With Single Barb Wire Arm, Add</i>	175.65	
			<i>For Gate With Double Barb Wire Arm, Add</i>	255.50	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-299.41	
			<i>For Aluminized Steel Gate And Post, Add</i>	766.49	
			<i>For Powder Coated Gate And Post, Add</i>	415.18	
32 31	13 00-0376	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,136.14	113.38
			<i>For Gate With Single Barb Wire Arm, Add</i>	197.55	
			<i>For Gate With Double Barb Wire Arm, Add</i>	287.35	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-336.74	
			<i>For Aluminized Steel Gate And Post, Add</i>	862.06	
			<i>For Powder Coated Gate And Post, Add</i>	466.95	
32 31	13 00-0377	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,374.97	125.87
			<i>For Gate With Single Barb Wire Arm, Add</i>	219.68	
			<i>For Gate With Double Barb Wire Arm, Add</i>	319.54	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-374.46	
			<i>For Aluminized Steel Gate And Post, Add</i>	958.61	
			<i>For Powder Coated Gate And Post, Add</i>	519.25	
32 31	13 00-0378	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,621.64	141.64
			<i>For Gate With Single Barb Wire Arm, Add</i>	241.58	
			<i>For Gate With Double Barb Wire Arm, Add</i>	351.39	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-411.79	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,054.18	
			<i>For Powder Coated Gate And Post, Add</i>	571.01	
32 31	13 00-0379	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	2,883.28	161.79
			<i>For Gate With Single Barb Wire Arm, Add</i>	263.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	383.58	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-449.51	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,150.73	
			<i>For Powder Coated Gate And Post, Add</i>	623.31	



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0380 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,161.64	188.93
For Gate With Single Barb Wire Arm, Add	285.38	
For Gate With Double Barb Wire Arm, Add	415.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-486.44	
For Aluminized Steel Gate And Post, Add	1,245.30	
For Powder Coated Gate And Post, Add	674.54	
32 31 13 00-0381 EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,473.58	226.50
For Gate With Single Barb Wire Arm, Add	307.28	
For Gate With Double Barb Wire Arm, Add	446.95	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-523.77	
For Aluminized Steel Gate And Post, Add	1,340.86	
For Powder Coated Gate And Post, Add	726.30	
32 31 13 00-0382 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	3,845.52	283.36
For Gate With Single Barb Wire Arm, Add	329.41	
For Gate With Double Barb Wire Arm, Add	479.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-561.49	
For Aluminized Steel Gate And Post, Add	1,437.42	
For Powder Coated Gate And Post, Add	778.60	
32 31 13 00-0383 Vinyl Coated Without Barb Wire Arm <small>(32 31 13 00-0241)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
32 31 13 00-0384 4' Fence Height <small>(32 31 13 00-0383)</small>		
32 31 13 00-0385 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	195.85	19.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.95	
For Gate With Single Barb Wire Arm, Add	15.22	
For Gate With Double Barb Wire Arm, Add	22.14	
32 31 13 00-0386 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	241.98	19.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.60	
For Gate With Single Barb Wire Arm, Add	20.30	
For Gate With Double Barb Wire Arm, Add	29.52	
32 31 13 00-0387 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	284.26	20.38
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-41.81	
For Gate With Single Barb Wire Arm, Add	24.53	
For Gate With Double Barb Wire Arm, Add	35.67	
32 31 13 00-0388 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	334.96	24.52
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-49.01	
For Gate With Single Barb Wire Arm, Add	28.75	
For Gate With Double Barb Wire Arm, Add	41.82	
32 31 13 00-0389 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	385.65	28.58
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.22	
For Gate With Single Barb Wire Arm, Add	32.98	
For Gate With Double Barb Wire Arm, Add	47.97	
32 31 13 00-0390 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	436.37	32.65
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.43	
For Gate With Single Barb Wire Arm, Add	37.21	
For Gate With Double Barb Wire Arm, Add	54.12	
32 31 13 00-0391 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	487.06	36.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.63	
For Gate With Single Barb Wire Arm, Add	41.44	
For Gate With Double Barb Wire Arm, Add	60.27	
32 31 13 00-0392 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	537.75	40.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.84	
For Gate With Single Barb Wire Arm, Add	45.67	
For Gate With Double Barb Wire Arm, Add	66.42	
32 31 13 00-0393 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	676.13	40.84
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-103.79	
For Gate With Single Barb Wire Arm, Add	60.89	
For Gate With Double Barb Wire Arm, Add	88.56	
32 31 13 00-0394 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	795.60	43.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-124.55	
For Gate With Single Barb Wire Arm, Add	73.07	
For Gate With Double Barb Wire Arm, Add	106.28	
32 31 13 00-0395 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	916.42	47.13
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.30	
For Gate With Single Barb Wire Arm, Add	85.24	
For Gate With Double Barb Wire Arm, Add	123.99	
32 31 13 00-0396 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,038.91	51.04
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-166.06	
For Gate With Single Barb Wire Arm, Add	97.42	
For Gate With Double Barb Wire Arm, Add	141.71	
32 31 13 00-0397 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,180.15	61.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-186.82	
For Gate With Single Barb Wire Arm, Add	109.60	
For Gate With Double Barb Wire Arm, Add	159.42	
32 31 13 00-0398 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,303.99	65.56
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-207.58	
For Gate With Single Barb Wire Arm, Add	121.78	
For Gate With Double Barb Wire Arm, Add	177.13	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0399	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,429.85 -228.33 133.96 194.84	70.65
32 31	13 00-0400	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,558.23 -249.09 146.13 212.56	76.50
32 31	13 00-0401	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,689.82 -269.85 158.31 230.27	83.48
32 31	13 00-0402	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,825.59 -290.61 170.49 247.98	91.84
32 31	13 00-0403	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,966.92 -311.36 182.67 265.70	102.00
32 31 13 00-0404 5' Fence Height (32 31 13 00-0393)					
32 31	13 00-0405	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	232.78 -32.15 18.86 27.44	20.38
32 31	13 00-0406	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	289.94 -42.87 25.15 36.58	20.38
32 31	13 00-0407	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	336.66 -50.91 29.87 43.44	21.69
32 31	13 00-0408	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	392.53 -58.95 34.58 50.30	26.06
32 31	13 00-0409	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	448.43 -66.98 39.30 57.16	30.34
32 31	13 00-0410	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	505.09 -75.02 44.01 64.02	34.94
32 31	13 00-0411	EA	9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	561.00 -83.06 48.73 70.88	39.31
32 31	13 00-0412	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	616.89 -91.10 53.44 77.74	43.60
32 31	13 00-0413	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	817.26 -128.61 75.45 109.74	43.75
32 31	13 00-0414	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	964.55 -154.33 90.54 131.69	47.13
32 31	13 00-0415	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,113.51 -180.05 105.63 153.64	51.04
32 31	13 00-0416	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,281.24 -205.77 120.72 175.59	61.16
32 31	13 00-0417	EA	18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,431.55 -231.49 135.81 197.54	65.56
32 31	13 00-0418	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,583.88 -257.21 150.90 219.49	70.65
32 31	13 00-0419	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,738.74 -282.94 165.99 241.44	76.50



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31
			32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0420	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,896.80 -308.66 181.08 263.39	83.48
32 31	13 00-0421	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,059.04 -334.38 196.17 285.34	91.84
32 31	13 00-0422	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,226.85 -360.10 211.26 307.28	102.00
32 31	13 00-0423	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,402.32 -385.82 226.35 329.23	114.76
32 31 13 00-0424 6' Fence Height <small>(32 31 13 00-0383)</small>					
32 31	13 00-0425	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	248.94 -34.36 20.16 29.32	21.84
32 31	13 00-0426	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	310.02 -45.81 26.88 39.09	21.84
32 31	13 00-0427	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	359.89 -54.41 31.92 46.43	23.21
32 31	13 00-0428	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	420.27 -63.00 36.96 53.76	28.05
32 31	13 00-0429	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	480.64 -71.59 42.00 61.09	32.95
32 31	13 00-0430	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	540.24 -80.18 47.04 68.42	37.55
32 31	13 00-0431	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	600.62 -88.77 52.08 75.75	42.37
32 31	13 00-0432	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	661.00 -97.36 57.12 83.08	47.20
32 31	13 00-0433	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	874.51 -137.45 80.63 117.29	47.13
32 31	13 00-0434	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,032.89 -164.93 96.76 140.74	51.04
32 31	13 00-0435	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,223.17 -192.42 112.89 164.20	65.56
32 31	13 00-0436	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,384.93 -219.91 129.01 187.66	70.65
32 31	13 00-0437	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,549.21 -247.40 145.14 211.11	76.50
32 31	13 00-0438	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,743.79 -279.97 164.25 238.91	83.48
32 31	13 00-0439	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,893.29 -303.30 177.94 258.82	91.84
32 31	13 00-0440	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,065.61 -329.87 193.52 281.49	102.00

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0441	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,250.50 -357.35 209.65 304.94	114.76
32 31	13 00-0442	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,446.34 -384.84 225.78 328.40	131.13
32 31	13 00-0443	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,658.59 -412.33 241.90 351.86	153.01
32 31 13 00-0444 7' Fence Height (32 31 13 00-0383)					
32 31	13 00-0445	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	263.21 -36.09 21.17 30.80	23.53
32 31	13 00-0446	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	327.38 -48.12 28.23 41.06	23.53
32 31	13 00-0447	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	379.12 -57.15 33.53 48.77	24.75
32 31	13 00-0448	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	443.32 -66.17 38.82 56.46	30.12
32 31	13 00-0449	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	506.77 -75.19 44.11 64.16	35.24
32 31	13 00-0450	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	571.00 -84.22 49.41 71.87	40.54
32 31	13 00-0451	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	634.43 -93.24 54.70 79.56	45.67
32 31	13 00-0452	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	698.65 -102.26 59.99 87.26	51.04
32 31	13 00-0453	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	923.21 -144.37 84.70 123.19	51.04
32 31	13 00-0454	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,120.86 -173.24 101.63 147.83	65.56
32 31	13 00-0455	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,290.01 -202.11 118.57 172.47	70.65
32 31	13 00-0456	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,461.66 -230.98 135.51 197.11	76.50
32 31	13 00-0457	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,636.55 -259.86 152.45 221.75	83.48
32 31	13 00-0458	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,815.58 -288.73 169.39 246.38	91.84
32 31	13 00-0459	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,000.18 -317.60 186.32 271.02	102.00
32 31	13 00-0460	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,192.48 -346.48 203.27 295.66	114.76
32 31	13 00-0461	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,395.72 -375.35 220.21 320.30	131.13



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0462	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,615.33 -404.22 237.14 344.94	153.01
32 31	13 00-0463	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,861.24 -433.10 254.08 369.58	183.59
32 31	13 00-0464		8' Fence Height <small>(32 31 13 00-0383)</small>		
32 31	13 00-0465	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	309.93 -43.74 25.66 37.33	25.52
32 31	13 00-0466	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	387.70 -58.33 34.22 49.77	25.52
32 31	13 00-0467	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	439.55 -68.05 39.92 58.07	25.52
32 31	13 00-0468	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	511.32 -77.77 45.62 66.36	32.19
32 31	13 00-0469	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	583.09 -87.49 51.33 74.66	38.77
32 31	13 00-0470	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	654.09 -97.21 57.03 82.95	45.14
32 31	13 00-0471	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	725.86 -106.93 62.73 91.25	51.80
32 31	13 00-0472	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	797.62 -116.65 68.44 99.54	58.47
32 31	13 00-0473	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,130.14 -174.98 102.65 149.32	65.56
32 31	13 00-0474	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,331.93 -209.97 123.18 179.18	70.65
32 31	13 00-0475	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,536.25 -244.97 143.72 209.04	76.50
32 31	13 00-0476	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,743.78 -279.97 164.25 238.90	83.48
32 31	13 00-0477	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,955.48 -314.96 184.78 268.77	91.84
32 31	13 00-0478	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,172.75 -349.96 205.31 298.63	102.00
32 31	13 00-0479	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,397.69 -384.95 225.84 328.49	114.76
32 31	13 00-0480	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,633.56 -419.95 246.37 358.36	131.13
32 31	13 00-0481	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,885.84 -454.94 266.90 388.22	153.01
32 31	13 00-0482	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,164.39 -489.94 287.43 418.08	183.59

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0483	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,488.88 -524.93 307.96 447.94	229.51
32 31	13 00-0484		10' Fence Height <small>(32 31 13 00-0383)</small>		
32 31	13 00-0485	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	355.79 -50.75 29.77 43.30	28.35
32 31	13 00-0486	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	446.01 -67.66 39.69 57.74	28.35
32 31	13 00-0487	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	509.90 -78.94 46.31 67.36	29.58
32 31	13 00-0488	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	591.49 -90.22 52.93 76.98	36.78
32 31	13 00-0489	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	672.33 -101.49 59.54 86.61	43.60
32 31	13 00-0490	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	753.93 -112.77 66.16 96.23	50.80
32 31	13 00-0491	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	834.76 -124.05 72.77 105.85	57.70
32 31	13 00-0492	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	916.36 -135.32 79.39 115.48	64.83
32 31	13 00-0493	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,301.38 -202.98 119.08 173.21	72.88
32 31	13 00-0494	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,534.64 -243.58 142.90 207.85	78.40
32 31	13 00-0495	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,770.88 -284.18 166.72 242.50	85.03
32 31	13 00-0496	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,010.48 -324.77 190.53 277.14	92.70
32 31	13 00-0497	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,254.96 -365.37 214.35 311.78	102.00
32 31	13 00-0498	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,505.34 -405.97 238.17 346.42	113.29
32 31	13 00-0499	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,764.57 -446.56 261.98 381.07	127.51
32 31	13 00-0500	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,035.51 -487.16 285.80 415.71	145.60
32 31	13 00-0501	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,325.23 -527.76 309.62 450.35	169.98
32 31	13 00-0502	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,643.31 -568.35 333.43 484.99	203.84
32 31	13 00-0503	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,013.54 -608.95 357.25 519.64	255.01



Exterior Improvements	32	32
Site Improvements	32 30	
Fences And Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0504 12' Fence Height <small>(32 31 13 00-0383)</small>		
32 31 13 00-0505 EA 3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	472.04	31.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.77	
For Gate With Single Barb Wire Arm, Add	41.52	
For Gate With Double Barb Wire Arm, Add	60.39	
32 31 13 00-0506 EA 4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	597.51	31.49
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.30	
For Gate With Single Barb Wire Arm, Add	55.32	
For Gate With Double Barb Wire Arm, Add	80.47	
32 31 13 00-0507 EA 5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	694.32	32.65
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-111.79	
For Gate With Single Barb Wire Arm, Add	65.59	
For Gate With Double Barb Wire Arm, Add	95.40	
32 31 13 00-0508 EA 6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	795.84	40.54
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-126.38	
For Gate With Single Barb Wire Arm, Add	74.14	
For Gate With Double Barb Wire Arm, Add	107.84	
32 31 13 00-0509 EA 7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	906.00	48.51
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-142.58	
For Gate With Single Barb Wire Arm, Add	83.65	
For Gate With Double Barb Wire Arm, Add	121.67	
32 31 13 00-0510 EA 8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,015.40	56.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-158.78	
For Gate With Single Barb Wire Arm, Add	93.15	
For Gate With Double Barb Wire Arm, Add	135.49	
32 31 13 00-0511 EA 9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,125.57	64.06
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-174.98	
For Gate With Single Barb Wire Arm, Add	102.66	
For Gate With Double Barb Wire Arm, Add	149.32	
32 31 13 00-0512 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,227.09	71.95
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-189.56	
For Gate With Single Barb Wire Arm, Add	111.21	
For Gate With Double Barb Wire Arm, Add	161.76	
32 31 13 00-0513 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,759.01	80.98
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.25	
For Gate With Single Barb Wire Arm, Add	166.76	
For Gate With Double Barb Wire Arm, Add	242.56	
32 31 13 00-0514 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,130.19	87.19
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-350.35	
For Gate With Single Barb Wire Arm, Add	205.54	
For Gate With Double Barb Wire Arm, Add	298.96	
32 31 13 00-0515 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,465.31	94.43
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-409.07	
For Gate With Single Barb Wire Arm, Add	239.98	
For Gate With Double Barb Wire Arm, Add	349.07	
32 31 13 00-0516 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,802.11	102.95
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-467.39	
For Gate With Single Barb Wire Arm, Add	274.20	
For Gate With Double Barb Wire Arm, Add	398.84	
32 31 13 00-0517 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,140.04	113.38
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-524.94	
For Gate With Single Barb Wire Arm, Add	307.96	
For Gate With Double Barb Wire Arm, Add	447.95	
32 31 13 00-0518 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,488.62	125.87
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-583.27	
For Gate With Single Barb Wire Arm, Add	342.18	
For Gate With Double Barb Wire Arm, Add	497.72	
32 31 13 00-0519 EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	3,847.28	141.64
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-641.60	
For Gate With Single Barb Wire Arm, Add	376.40	
For Gate With Double Barb Wire Arm, Add	547.49	
32 31 13 00-0520 EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	4,218.83	161.79
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-699.92	
For Gate With Single Barb Wire Arm, Add	410.62	
For Gate With Double Barb Wire Arm, Add	597.27	
32 31 13 00-0521 EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	4,621.63	188.93
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-760.19	
For Gate With Single Barb Wire Arm, Add	445.98	
For Gate With Double Barb Wire Arm, Add	648.70	
32 31 13 00-0522 EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	5,045.55	226.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-818.52	
For Gate With Single Barb Wire Arm, Add	480.20	
For Gate With Double Barb Wire Arm, Add	698.47	
32 31 13 00-0523 EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	5,527.41	283.36
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-876.85	
For Gate With Single Barb Wire Arm, Add	514.42	
For Gate With Double Barb Wire Arm, Add	748.24	

32 31 13 00-0524 Sliding Gate (32 31 13 00-0241)

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel, rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 00-0525 4' High Sliding Gate (32 31 13 00-0524)

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0526 EA 10' Long x 4' High Sliding Gate.....	1,564.09	279.65
For Gate With Barb Wire Arm, Add	110.52	
For Vinyl Coated, Add	301.42	
32 31 13 00-0527 EA 12' Long x 4' High Sliding Gate.....	1,880.88	337.63
For Gate With Barb Wire Arm, Add	132.63	
For Vinyl Coated, Add	361.71	
32 31 13 00-0528 EA 14' Long x 4' High Sliding Gate.....	2,194.50	393.89
For Gate With Barb Wire Arm, Add	154.73	
For Vinyl Coated, Add	421.99	
32 31 13 00-0529 EA 16' Long x 4' High Sliding Gate.....	2,513.05	452.74
For Gate With Barb Wire Arm, Add	176.84	
For Vinyl Coated, Add	482.28	
32 31 13 00-0530 EA 18' Long x 4' High Sliding Gate.....	2,827.21	509.34
For Gate With Barb Wire Arm, Add	198.94	
For Vinyl Coated, Add	542.57	
32 31 13 00-0531 EA 20' Long x 4' High Sliding Gate.....	3,130.92	560.69
For Gate With Barb Wire Arm, Add	221.05	
For Vinyl Coated, Add	602.85	
32 31 13 00-0532 EA 24' Long x 4' High Sliding Gate.....	3,744.06	675.19
For Gate With Barb Wire Arm, Add	263.31	
For Vinyl Coated, Add	718.11	
32 31 13 00-0533 EA 30' Long x 4' High Sliding Gate.....	5,563.15	1,274.47
For Gate With Barb Wire Arm, Add	331.57	
For Vinyl Coated, Add	904.27	
32 31 13 00-0534 EA 40' Long x 4' High Sliding Gate.....	7,417.53	1,699.29
For Gate With Barb Wire Arm, Add	442.09	
For Vinyl Coated, Add	1,205.69	
32 31 13 00-0535 5' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0536 EA 10' Long x 5' High Sliding Gate.....	1,643.03	304.38
For Gate With Barb Wire Arm, Add	113.77	
For Vinyl Coated, Add	310.28	
32 31 13 00-0537 EA 12' Long x 5' High Sliding Gate.....	1,970.78	364.86
For Gate With Barb Wire Arm, Add	136.52	
For Vinyl Coated, Add	372.34	
32 31 13 00-0538 EA 14' Long x 5' High Sliding Gate.....	2,299.10	425.59
For Gate With Barb Wire Arm, Add	159.28	
For Vinyl Coated, Add	434.40	
32 31 13 00-0539 EA 16' Long x 5' High Sliding Gate.....	2,627.78	486.51
For Gate With Barb Wire Arm, Add	182.03	
For Vinyl Coated, Add	496.45	
32 31 13 00-0540 EA 18' Long x 5' High Sliding Gate.....	2,956.05	547.16
For Gate With Barb Wire Arm, Add	204.79	
For Vinyl Coated, Add	558.51	
32 31 13 00-0541 EA 20' Long x 5' High Sliding Gate.....	3,284.55	607.98
For Gate With Barb Wire Arm, Add	227.54	
For Vinyl Coated, Add	620.57	
32 31 13 00-0542 EA 24' Long x 5' High Sliding Gate.....	3,924.89	730.41
For Gate With Barb Wire Arm, Add	271.05	
For Vinyl Coated, Add	739.22	
32 31 13 00-0543 EA 30' Long x 5' High Sliding Gate.....	4,927.14	912.19
For Gate With Barb Wire Arm, Add	341.31	
For Vinyl Coated, Add	930.85	
32 31 13 00-0544 EA 40' Long x 5' High Sliding Gate.....	6,569.09	1,215.97
For Gate With Barb Wire Arm, Add	455.08	
For Vinyl Coated, Add	1,241.13	
32 31 13 00-0545 6' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0546 EA 10' Long x 6' High Sliding Gate.....	1,768.58	356.85
For Gate With Barb Wire Arm, Add	116.04	
For Vinyl Coated, Add	316.49	
32 31 13 00-0547 EA 12' Long x 6' High Sliding Gate.....	2,119.79	426.89
For Gate With Barb Wire Arm, Add	139.25	
For Vinyl Coated, Add	379.78	
32 31 13 00-0548 EA 14' Long x 6' High Sliding Gate.....	2,472.91	497.96
For Gate With Barb Wire Arm, Add	162.46	
For Vinyl Coated, Add	443.08	
32 31 13 00-0549 EA 16' Long x 6' High Sliding Gate.....	2,826.37	569.21
For Gate With Barb Wire Arm, Add	185.67	
For Vinyl Coated, Add	506.37	
32 31 13 00-0550 EA 18' Long x 6' High Sliding Gate.....	3,179.51	640.29
For Gate With Barb Wire Arm, Add	208.88	
For Vinyl Coated, Add	569.67	
32 31 13 00-0551 EA 20' Long x 6' High Sliding Gate.....	3,537.45	713.78
For Gate With Barb Wire Arm, Add	232.09	
For Vinyl Coated, Add	632.97	
32 31 13 00-0552 EA 24' Long x 6' High Sliding Gate.....	4,221.00	853.87
For Gate With Barb Wire Arm, Add	276.46	
For Vinyl Coated, Add	753.99	
32 31 13 00-0553 EA 30' Long x 6' High Sliding Gate.....	5,299.99	1,067.61
For Gate With Barb Wire Arm, Add	348.13	
For Vinyl Coated, Add	949.45	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0554 EA 40' Long x 6' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,065.48 464.18 1,265.94	1,422.82
32 31 13 00-0555 7' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0556 EA 10' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,892.35 120.59 328.89	398.03
32 31 13 00-0557 EA 12' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,270.19 144.71 394.67	477.29
32 31 13 00-0558 EA 14' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,649.33 168.83 460.44	557.24
32 31 13 00-0559 EA 16' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,027.11 192.95 526.22	636.50
32 31 13 00-0560 EA 18' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,405.63 217.07 592.00	716.19
32 31 13 00-0561 EA 20' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,783.60 241.18 657.77	795.54
32 31 13 00-0562 EA 24' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,521.00 287.30 783.54	954.58
32 31 13 00-0563 EA 30' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,675.38 361.77 986.66	1,193.22
32 31 13 00-0564 EA 40' Long x 7' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,567.17 482.37 1,315.55	1,590.99
32 31 13 00-0565 8' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0566 EA 10' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	1,991.16 124.16 338.63	431.20
32 31 13 00-0567 EA 12' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,386.92 149.00 406.36	516.23
32 31 13 00-0568 EA 14' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,784.79 173.83 474.08	602.30
32 31 13 00-0569 EA 16' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,182.83 198.66 541.81	688.37
32 31 13 00-0570 EA 18' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,579.91 223.50 609.53	774.08
32 31 13 00-0571 EA 20' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,978.02 248.33 677.26	860.25
32 31 13 00-0572 EA 24' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,753.97 295.81 806.75	1,032.38
32 31 13 00-0573 EA 30' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,967.69 372.49 1,015.89	1,290.66
32 31 13 00-0574 EA 40' Long x 8' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,954.34 496.66 1,354.52	1,719.62
32 31 13 00-0575 9' High Sliding Gate (32 31 13 00-0524)		
32 31 13 00-0576 EA 10' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,107.96 128.39 350.15	470.39
32 31 13 00-0577 EA 12' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,526.05 154.06 420.18	562.76
32 31 13 00-0578 EA 14' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	2,946.83 179.74 490.21	656.40
32 31 13 00-0579 EA 16' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,368.38 205.42 560.24	750.48
32 31 13 00-0580 EA 18' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,789.33 231.10 630.26	844.22
32 31 13 00-0581 EA 20' Long x 9' High Sliding Gate..... For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,210.28 256.78 700.30	937.95

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0582	EA	24' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	5,031.53 305.87 834.19	1,125.42
32 31	13 00-0583	EA	30' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	6,314.64 385.16 1,050.44	1,406.63
32 31	13 00-0584	EA	40' Long x 9' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	8,422.60 513.55 1,400.59	1,877.02
32 31	13 00-0585		10' High Sliding Gate <small>(32 31 13 00-0524)</small>		
32 31	13 00-0586	EA	10' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,252.23 133.91 365.21	517.44
32 31	13 00-0587	EA	12' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	2,702.68 160.69 438.25	620.90
32 31	13 00-0588	EA	14' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,153.47 187.47 511.29	724.55
32 31	13 00-0589	EA	16' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	3,603.78 214.26 584.33	828.02
32 31	13 00-0590	EA	18' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	4,054.02 241.04 657.37	931.41
32 31	13 00-0591	EA	20' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	4,504.47 267.82 730.42	1,034.87
32 31	13 00-0592	EA	24' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	5,384.82 319.03 870.07	1,242.33
32 31	13 00-0593	EA	30' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	6,756.69 401.73 1,095.62	1,552.31
32 31	13 00-0594	EA	40' Long x 10' High Sliding Gate <i>For Gate With Barb Wire Arm, Add For Vinyl Coated, Add</i>	9,006.46 535.64 1,460.83	2,068.55
32 31	13 00-0595		Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller <small>(32 31 13 00-0241)</small>		
			Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, rails, wheel rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0020 for gate operators.		
32 31	13 00-0596	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add</i>	2,842.46 236.86 344.52 1,033.55 452.18 645.97	344.61
32 31	13 00-0597	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add</i>	3,161.34 252.98 367.97 1,103.91 482.96 689.94	430.77
32 31	13 00-0598	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add</i>	3,482.24 269.32 391.74 1,175.23 514.16 734.52	516.92
32 31	13 00-0599	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add</i>	4,153.31 305.23 443.98 1,331.93 582.72 832.46	689.23
32 31	13 00-0600	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add</i>	3,900.03 277.37 403.45 1,210.35 529.53 756.47	689.23
32 31	13 00-0601	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate <i>For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For Vinyl Coated, Add</i>	4,649.01 312.38 454.37 1,363.10 596.36 851.94	904.61



Exterior Improvements	32	32
Site Improvements	32 30	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0602	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,099.66 424.56 617.55 1,852.64 810.53 1,157.90	1,119.99
32 31	13 00-0603	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	6,930.38 468.56 681.54 2,044.62 894.52 1,277.89	1,335.38
32 31	13 00-0604	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	4,608.01 317.34 461.59 1,384.77 605.84 865.48	861.53
32 31	13 00-0605	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	5,574.62 357.33 519.76 1,559.27 682.18 974.54	1,163.07
32 31	13 00-0606	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	7,344.34 485.66 706.42 2,119.26 927.18 1,324.54	1,464.61
32 31	13 00-0607	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,318.21 535.93 779.53 2,338.60 1,023.14 1,461.62	1,723.07
32 31	13 00-0608		Gate Accessories <small>(32 31 13 00-0241)</small>		
32 31	13 00-0609	EA	Gate Center Stop, Cast Steel, Ground	18.10	
32 31	13 00-0610	EA	Gate Latch, Malleable Galvanized Steel	30.21	
32 31	13 00-0611	EA	Gate Keeper, Full Length, Galvanized Steel.....	131.35	
32 31	13 00-0612	EA	Gate Keeper Hold-Open For Cantilever Gate.....	67.88	14.56
32 31	13 00-0613	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel	38.55	
32 31	13 00-0614	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	765.21	
32 31	13 00-0615	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 6' To 8' High Gate	820.41	
32 31	13 00-0616	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 10' To 12' High Gate	875.60	
32 31	13 00-0617		Pipe Gate <small>(32 31 13 00-0241)</small>		
32 31	13 00-0618	EA	20' Pipe Gate, Swinging (Road Access Barrier)	1,933.97	
32 31	13 00-0619	EA	25' Pipe Gate, Swinging (Road Access Barrier)	2,436.20	
32 31	13 00-0620	EA	30' Pipe Gate, Swinging (Road Access Barrier)	2,915.94	
32 31	13 00-0621		Reinforced Gate <small>(32 31 13 00-0241)</small> Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
32 31	13 00-0622	LF	Reinforced Single Gate, 4' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	230.28 127.13 169.51 264.86	9.20
32 31	13 00-0623	LF	Reinforced Single Gate, 5' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	247.18 136.36 181.81 284.08	9.96
32 31	13 00-0624	LF	Reinforced Single Gate, 6' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	264.30 145.25 193.66 302.60	11.11
32 31	13 00-0625	LF	Reinforced Single Gate, 7' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	280.14 153.83 205.11 320.49	11.88
32 31	13 00-0626	LF	Reinforced Single Gate, 8' High, Galvanized..... <i>For Vinyl Coated, Add</i> <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i>	297.26 162.26 216.35 338.05	13.41
32 31	13 00-0627	LF	Reinforced Double Gate, 4' High, Galvanized	160.31	9.20
			<i>For Vinyl Coated, Add</i>	85.15	
			<i>For Powder Coated, Add</i>	113.54	
			<i>For Aluminum Coated, Add</i>	177.40	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 00-0628	LF	Reinforced Double Gate, 5' High, Galvanized.....	179.60	9.96
			For Vinyl Coated, Add	95.81	
			For Powder Coated, Add	127.74	
			For Aluminum Coated, Add	199.60	
32 31	13 00-0629	LF	Reinforced Double Gate, 6' High, Galvanized.....	199.02	11.11
			For Vinyl Coated, Add	106.08	
			For Powder Coated, Add	141.44	
			For Aluminum Coated, Add	221.00	
32 31	13 00-0630	LF	Reinforced Double Gate, 7' High, Galvanized.....	253.09	11.88
			For Vinyl Coated, Add	137.60	
			For Powder Coated, Add	183.47	
			For Aluminum Coated, Add	286.68	
32 31	13 00-0631	LF	Reinforced Double Gate, 8' High, Galvanized.....	307.43	13.41
			For Vinyl Coated, Add	168.37	
			For Powder Coated, Add	224.49	
			For Aluminum Coated, Add	350.76	
32 31	13 00-0632		Accessories <small>(32 31 13)</small>		
32 31	13 00-0633		Barbed And Concertina Wire <small>(32 31 13 00-0632)</small>		
32 31	13 00-0634		Single Strand Barbed Wire <small>(32 31 13 00-0633)</small>		
32 31	13 00-0635	LF	Galvanized Barbed Wire, Per Strand.....	0.81	0.38
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.08	
			For >2,000, Deduct	-0.12	
32 31	13 00-0636	LF	Vinyl Coated Barbed Wire (Fused), Per Strand.....	0.89	0.38
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.08	
			For >2,000, Deduct	-0.12	
32 31	13 00-0637	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	8.35	6.13
32 31	13 00-0638	EA	Barbed Wire Extension Arms 6 Strands (Double Arm).....	12.79	7.35
32 31	13 00-0639	EA	Barbed Wire Eye Tops (For Single Strand).....	8.95	6.13
32 31	13 00-0640		Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 00-0633)</small>		
32 31	13 00-0641	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....	2.53	0.54
			For >500 To 1,500, Deduct	-0.23	
			For >1,500 To 5,000, Deduct	-0.46	
			For >5,000, Deduct	-0.66	
			For Ground Installation, Deduct	-0.38	
			For Double Coil (Helix), Add	1.77	
32 31	13 00-0642	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....	3.80	0.54
			For >500 To 1,500, Deduct	-0.34	
			For >1,500 To 5,000, Deduct	-0.68	
			For >5,000, Deduct	-0.99	
			For Ground Installation, Deduct	-0.57	
			For Double Coil (Helix), Add	2.66	
32 31	13 00-0643	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence.....	5.07	0.54
			For >500 To 1,500, Deduct	-0.46	
			For >1,500 To 5,000, Deduct	-0.91	
			For >5,000, Deduct	-1.32	
			For Ground Installation, Deduct	-0.77	
			For Double Coil (Helix), Add	3.54	
32 31	13 00-0644	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....	3.10	0.54
			For >500 To 1,500, Deduct	-0.28	
			For >1,500 To 5,000, Deduct	-0.55	
			For >5,000, Deduct	-0.79	
			For Ground Installation, Deduct	-0.43	
			For Double Coil (Helix), Add	2.25	
32 31	13 00-0645	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....	4.67	0.54
			For >500 To 1,500, Deduct	-0.41	
			For >1,500 To 5,000, Deduct	-0.83	
			For >5,000, Deduct	-1.19	
			For Ground Installation, Deduct	-0.64	
			For Double Coil (Helix), Add	3.40	
32 31	13 00-0646	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link		
			Fence, Per LF Of Fence.....	6.18	0.54
			For >500 To 1,500, Deduct	-0.55	
			For >1,500 To 5,000, Deduct	-1.10	
			For >5,000, Deduct	-1.57	
			For Ground Installation, Deduct	-0.85	
			For Double Coil (Helix), Add	4.49	
32 31	13 00-0647	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain		
			Link Fence, Per LF Of Fence.....	7.40	0.54
			For >500 To 1,500, Deduct	-0.60	
			For >1,500 To 5,000, Deduct	-1.21	
			For >5,000, Deduct	-1.67	
			For Ground Installation, Deduct	-0.48	
			For Double Coil (Helix), Add	6.45	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0648 LF 30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	11.20	0.54
<i>For >500 To 1,500, Deduct</i>	-0.91	
<i>For >1,500 To 5,000, Deduct</i>	-1.82	
<i>For >5,000, Deduct</i>	-2.53	
<i>For Ground Installation, Deduct</i>	-0.72	
<i>For Double Coil (Helix), Add</i>	9.76	
32 31 13 00-0649 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.81	0.54
<i>For >500 To 1,500, Deduct</i>	-1.21	
<i>For >1,500 To 5,000, Deduct</i>	-2.41	
<i>For >5,000, Deduct</i>	-3.35	
<i>For Ground Installation, Deduct</i>	-0.96	
<i>For Double Coil (Helix), Add</i>	12.90	
32 31 13 00-0650 Stainless Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 00-0633)</small>		
32 31 13 00-0651 LF 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.13	0.54
<i>For >500 To 1,500, Deduct</i>	-0.27	
<i>For >1,500 To 5,000, Deduct</i>	-0.55	
<i>For >5,000, Deduct</i>	-0.78	
<i>For Ground Installation, Deduct</i>	-0.38	
<i>For Double Coil (Helix), Add</i>	2.37	
32 31 13 00-0652 LF 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	4.71	0.54
<i>For >500 To 1,500, Deduct</i>	-0.41	
<i>For >1,500 To 5,000, Deduct</i>	-0.82	
<i>For >5,000, Deduct</i>	-1.17	
<i>For Ground Installation, Deduct</i>	-0.57	
<i>For Double Coil (Helix), Add</i>	3.57	
32 31 13 00-0653 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.27	0.54
<i>For >500 To 1,500, Deduct</i>	-0.55	
<i>For >1,500 To 5,000, Deduct</i>	-1.09	
<i>For >5,000, Deduct</i>	-1.56	
<i>For Ground Installation, Deduct</i>	-0.77	
<i>For Double Coil (Helix), Add</i>	4.74	
32 31 13 00-0654 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	3.90	0.54
<i>For >500 To 1,500, Deduct</i>	-0.34	
<i>For >1,500 To 5,000, Deduct</i>	-0.67	
<i>For >5,000, Deduct</i>	-0.95	
<i>For Ground Installation, Deduct</i>	-0.43	
<i>For Double Coil (Helix), Add</i>	3.05	
32 31 13 00-0655 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.88	0.54
<i>For >500 To 1,500, Deduct</i>	-0.50	
<i>For >1,500 To 5,000, Deduct</i>	-1.01	
<i>For >5,000, Deduct</i>	-1.43	
<i>For Ground Installation, Deduct</i>	-0.64	
<i>For Double Coil (Helix), Add</i>	4.61	
32 31 13 00-0656 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.78	0.54
<i>For >500 To 1,500, Deduct</i>	-0.67	
<i>For >1,500 To 5,000, Deduct</i>	-1.34	
<i>For >5,000, Deduct</i>	-1.89	
<i>For Ground Installation, Deduct</i>	-0.85	
<i>For Double Coil (Helix), Add</i>	6.09	
32 31 13 00-0657 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.43	0.54
<i>For >500 To 1,500, Deduct</i>	-0.83	
<i>For >1,500 To 5,000, Deduct</i>	-1.66	
<i>For >5,000, Deduct</i>	-2.28	
<i>For Ground Installation, Deduct</i>	-0.48	
<i>For Double Coil (Helix), Add</i>	9.48	
32 31 13 00-0658 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.79	0.54
<i>For >500 To 1,500, Deduct</i>	-1.26	
<i>For >1,500 To 5,000, Deduct</i>	-2.51	
<i>For >5,000, Deduct</i>	-3.45	
<i>For Ground Installation, Deduct</i>	-0.72	
<i>For Double Coil (Helix), Add</i>	14.35	
32 31 13 00-0659 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	20.87	0.54
<i>For >500 To 1,500, Deduct</i>	-1.66	
<i>For >1,500 To 5,000, Deduct</i>	-3.32	
<i>For >5,000, Deduct</i>	-4.56	
<i>For Ground Installation, Deduct</i>	-0.96	
<i>For Double Coil (Helix), Add</i>	18.96	
32 31 13 00-0660 Grounding For Gates <small>(32 31 13 00-0632)</small>		
Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 00-0661 OPN Grounding For Gates (Per Opening).....	372.33	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0662 Coiled Spring Reinforcing Wire <small>(32 31 13 00-0632)</small>		
32 31 13 00-0663 Galvanized Steel <small>(32 31 13 00-0662)</small>		
32 31 13 00-0664 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	0.87	0.38
32 31 13 00-0665 Vinyl Coated Steel <small>(32 31 13 00-0662)</small>		
32 31 13 00-0666 LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	0.87	0.38
32 31 13 00-0667 Bending Of Fabric Around Pipe Railings <small>(32 31 13 00-0632)</small>		
Note: Only where specified.		
32 31 13 00-0668 LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.22	
32 31 13 00-0669 LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.06	
32 31 13 00-0670 Mounting Plate With Anchors Or Bolts <small>(32 31 13 00-0632)</small>		
Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 00-0671 EA Mounting Plate For 1-5/8" Diameter Post.....	27.90	
32 31 13 00-0672 EA Mounting Plate For 2" Diameter Post.....	28.29	
32 31 13 00-0673 EA Mounting Plate For 2-1/2" Diameter Post.....	29.18	
32 31 13 00-0674 EA Mounting Plate For 3" Diameter Post.....	34.67	
32 31 13 00-0675 EA Mounting Plate For 4" Diameter Post.....	39.56	
32 31 13 00-0676 EA Mounting Plate For 6-5/8" Diameter Post.....	45.44	
32 31 13 00-0677 EA Mounting Plate For 8-5/8" Diameter Post.....	53.17	
32 31 13 00-0678 Fence And Gate Repair And Replacement <small>(32 31 13)</small>		
32 31 13 00-0679 Fence And Gate Parts Replacement <small>(32 31 13 00-0678)</small>		
32 31 13 00-0680 EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	83.52	
32 31 13 00-0681 EA Sliding Gate Roller Assembly Replacement	84.18	
32 31 13 00-0682 EA Rod And Lock Gate Keeper Replacement	81.75	
32 31 13 00-0683 EA Galvanized Gate Holdback Replacement	19.75	
32 31 13 00-0684 LF 3/8" Cross Bracing Rod Replacement.....	1.07	
32 31 13 00-0685 LF 1-5/8" Diagonal Pipe Bracing Replacement	1.65	
32 31 13 00-0686 EA 2-3/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	11.24	
32 31 13 00-0687 EA 3" Diameter Cast Steel Gate Hinge With Bolts, Replacement	13.05	
32 31 13 00-0688 EA 4" Diameter Cast Steel Gate Hinge With Bolts, Replacement	14.80	
32 31 13 00-0689 EA 6-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	26.19	
32 31 13 00-0690 EA 8-5/8" Diameter Cast Steel Gate Hinge With Bolts, Replacement	31.27	
32 31 13 00-0691 EA 2-1/2" x 2" Off Set Gate Hinge Replacement	17.70	
32 31 13 00-0692 EA 3" x 2" Off Set Gate Hinge Replacement	18.51	
32 31 13 00-0693 EA 4" x 2" Off Set Gate Hinge Replacement	19.78	
32 31 13 00-0694 EA 6-5/8" x 2" Off Set Gate Hinge Replacement	30.71	
32 31 13 00-0695 EA 8-5/8" x 2" Off Set Gate Hinge Replacement	46.78	
32 31 13 00-0696 EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	3.92	
32 31 13 00-0697 EA 2" Aluminum Die-Cast Post Cap Replacement	4.29	
32 31 13 00-0698 EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	4.85	
32 31 13 00-0699 EA 3" Aluminum Die-Cast Post Cap Replacement	5.49	
32 31 13 00-0700 EA 2" Galvanized Post Cap Replacement.....	4.73	
32 31 13 00-0701 EA 2-1/2" Galvanized Post Cap Replacement.....	5.14	
32 31 13 00-0702 EA 3" Galvanized Post Cap Replacement	5.85	
32 31 13 00-0703 EA 4" Galvanized Post Cap Replacement.....	8.26	
32 31 13 00-0704 EA 6-5/8" Galvanized Post Cap Replacement.....	14.41	
32 31 13 00-0705 EA 8-5/8" Galvanized Post Cap Replacement.....	23.13	
32 31 13 00-0706 EA 1-5/8" Boulevard Clamp Replacement.....	8.03	
32 31 13 00-0707 EA 2" Boulevard Clamp Replacement	9.76	
32 31 13 00-0708 EA 2-1/2" Boulevard Clamp Replacement.....	11.45	
32 31 13 00-0709 EA 3" Boulevard Clamp Replacement	13.90	
32 31 13 00-0710 EA 1-5/8" Gate Brace Or End Rail Clamp Replacement	7.90	
32 31 13 00-0711 EA 2" Gate Brace Or End Rail Clamp Replacement.....	9.59	
32 31 13 00-0712 EA 2-1/2" Gate Brace Or End Rail Clamp Replacement	11.28	
32 31 13 00-0713 EA 3" Gate Brace Or End Rail Clamp Replacement.....	13.72	
32 31 13 00-0714 EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.21	
32 31 13 00-0715 EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.26	
32 31 13 00-0716 EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.41	
32 31 13 00-0717 EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.35	
32 31 13 00-0718 EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.46	
32 31 13 00-0719 EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.55	
32 31 13 00-0720 EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	8.81	
32 31 13 00-0721 EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.74	
32 31 13 00-0722 Remove And Reinstall Chain Link Fences <small>(32 31 13)</small>		
Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 00-0723 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height.....	15.32	
32 31 13 00-0724 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height.....	22.99	



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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 00-0725 Regulation Baseball Backstop And Fencing <small>(32 31 13)</small> See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0726 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	8,139.62	1,544.63
32 31 13 00-0727 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	11,672.62	2,059.51
32 31 13 00-0728 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	14,785.65	2,402.76
32 31 13 00-0729 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	11,171.02	1,544.63
32 31 13 00-0730 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	16,208.55	2,059.51
32 31 13 00-0731 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	20,771.51	2,402.76
32 31 13 00-0732 Regulation Softball Backstop <small>(32 31 13)</small> See CSI section 32 31 13 00-0001 for auguring holes and concrete.		
32 31 13 00-0733 14' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0734 EA 14' Softball Backstop, Galvanized Regulation	6,953.21	1,498.30
32 31 13 00-0735 EA 14' Softball Backstop, Vinyl Coated Regulation	9,127.38	1,498.30
32 31 13 00-0736 18' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0737 EA 18' Softball Backstop, Galvanized Regulation	8,084.94	1,665.69
32 31 13 00-0738 EA 18' Softball Backstop Vinyl Coated Regulation	10,714.98	1,665.69
32 31 13 00-0739 20' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0740 EA 20' Softball Backstop, Galvanized Regulation	9,104.39	1,756.23
32 31 13 00-0741 EA 20' Softball Backstop, Vinyl Coated Regulation	12,225.41	1,756.23
32 31 13 00-0742 22' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0743 EA 22' Softball Backstop, Galvanized Regulation	10,430.79	1,809.22
32 31 13 00-0744 EA 22' Softball Backstop, Vinyl Coated Regulation	14,182.98	1,809.22
32 31 13 00-0745 24' High Softball Backstop <small>(32 31 13 00-0732)</small> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 00-0746 EA 24' Softball Backstop, Galvanized Regulation	12,343.70	2,067.69
32 31 13 00-0747 EA 24' Softball Backstop, Vinyl Coated Regulation	17,007.63	2,067.69
32 31 19 Decorative Metal Fences And Gates <small>(32 31)</small> See CSI section 32 31 13 00-0001 for drilling and grouting.		
32 31 19 00-0001 Wrought Iron Fence <small>(32 31 19)</small> Note: Factory primed.		
32 31 19 00-0002 Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center <small>(32 31 19 00-0001)</small> Note: Factory primed.		
32 31 19 00-0003 LF 3' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	57.97	8.43
For Verticals Up To 2" On Center, Add	8.22	
For Verticals >2" To 2-1/2" On Center, Add	4.11	
For Verticals >3" To 4" On Center, Deduct	-4.11	
For Verticals >4" To 6" On Center, Deduct	-8.22	
32 31 19 00-0004 LF 4' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	75.20	10.73
For Verticals Up To 2" On Center, Add	10.90	
For Verticals >2" To 2-1/2" On Center, Add	5.45	
For Verticals >3" To 4" On Center, Deduct	-5.45	
For Verticals >4" To 6" On Center, Deduct	-10.90	
32 31 19 00-0005 LF 5' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	91.25	11.19
For Verticals Up To 2" On Center, Add	13.74	
For Verticals >2" To 2-1/2" On Center, Add	6.87	
For Verticals >3" To 4" On Center, Deduct	-6.87	
For Verticals >4" To 6" On Center, Deduct	-13.74	
32 31 19 00-0006 LF 6' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	110.70	13.49
For Verticals Up To 2" On Center, Add	16.73	
For Verticals >2" To 2-1/2" On Center, Add	8.37	
For Verticals >3" To 4" On Center, Deduct	-8.37	
For Verticals >4" To 6" On Center, Deduct	-16.73	
32 31 19 00-0007 LF 7' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	132.52	14.28
For Verticals Up To 2" On Center, Add	20.80	
For Verticals >2" To 2-1/2" On Center, Add	10.40	
For Verticals >3" To 4" On Center, Deduct	-10.40	
For Verticals >4" To 6" On Center, Deduct	-20.80	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0008 LF 8' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	154.34	15.02
For Verticals Up To 2" On Center, Add	24.86	
For Verticals >2" To 2-1/2" On Center, Add	12.43	
For Verticals >3" To 4" On Center, Deduct	-12.43	
For Verticals >4" To 6" On Center, Deduct	-24.86	
32 31 19 00-0009 LF 10' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	190.27	16.86
For Verticals Up To 2" On Center, Add	31.31	
For Verticals >2" To 2-1/2" On Center, Add	15.66	
For Verticals >3" To 4" On Center, Deduct	-15.66	
For Verticals >4" To 6" On Center, Deduct	-31.31	
32 31 19 00-0010 LF 12' Wrought Iron Fence, Verticals At >2-1/2" To 3" On Center	226.31	19.16
For Verticals Up To 2" On Center, Add	37.60	
For Verticals >2" To 2-1/2" On Center, Add	18.80	
For Verticals >3" To 4" On Center, Deduct	-18.80	
For Verticals >4" To 6" On Center, Deduct	-37.60	
32 31 19 00-0011 Wrought Iron Gates (32 31 19 00-0001)		
Note: Factory primed.		
32 31 19 00-0012 Single Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0013 LF 3' Single Wrought Iron Gate, Hardware And Associated Trim	72.15	10.26
32 31 19 00-0014 LF 4' Single Wrought Iron Gate, Hardware And Associated Trim	94.78	12.73
32 31 19 00-0015 LF 5' Single Wrought Iron Gate, Hardware And Associated Trim	116.84	15.32
32 31 19 00-0016 LF 6' Single Wrought Iron Gate, Hardware And Associated Trim	142.43	18.39
32 31 19 00-0017 LF 8' Single Wrought Iron Gate, Hardware And Associated Trim	198.14	20.38
32 31 19 00-0018 LF 10' Single Wrought Iron Gate, Hardware And Associated Trim	243.51	22.53
32 31 19 00-0019 LF 12' Single Wrought Iron Gate, Hardware And Associated Trim	287.96	25.60
32 31 19 00-0020 Double Wrought Iron Gates (32 31 19 00-0011)		
Note: Factory primed.		
32 31 19 00-0021 LF 3' Double Wrought Iron Gate, Hardware And Associated Trim	88.88	9.20
32 31 19 00-0022 LF 4' Double Wrought Iron Gate, Hardware And Associated Trim	117.25	11.49
32 31 19 00-0023 LF 5' Double Wrought Iron Gate, Hardware And Associated Trim	144.05	13.79
32 31 19 00-0024 LF 6' Double Wrought Iron Gate, Hardware And Associated Trim	175.27	16.55
32 31 19 00-0025 LF 8' Double Wrought Iron Gate, Hardware And Associated Trim	244.72	18.39
32 31 19 00-0026 LF 10' Double Wrought Iron Gate, Hardware And Associated Trim	301.18	20.22
32 31 19 00-0027 LF 12' Double Wrought Iron Gate, Hardware And Associated Trim	356.58	22.99
32 31 19 00-0028 Repair Or Replace Wrought Iron Fence (32 31 19 00-0001)		
32 31 19 00-0029 LF Replace Wrought Iron Picket	17.64	
32 31 19 00-0030 LF Replace Wrought Iron Post	27.62	
32 31 19 00-0031 EA Straighten Wrought Iron Post	61.30	
32 31 19 00-0032 Steel Tube Fence, Galvanized (32 31 19)		
Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033 Steel Tube Fence, 2 Rail (32 31 19 00-0032)		
32 31 19 00-0034 LF 3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	41.90	8.43
For Verticals Up To 2" On Center, Add	5.07	
For Verticals >2" To 2-1/2" On Center, Add	2.54	
For Verticals >3" To 4" On Center, Deduct	-2.54	
For Verticals >4" To 6" On Center, Deduct	-5.07	
For Powder Coated Finish, Add	3.81	
For Solid Pickets, Add	8.19	
For Aluminum With Satin Finish, Add	5.13	
For Third Rail, Add	1.90	
For 1" Square x 14 Gauge Pickets, Add	6.34	
For Color, Add	1.27	
For 3" Square Posts, Add	2.54	
32 31 19 00-0035 LF 4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	47.71	9.96
For Verticals Up To 2" On Center, Add	5.64	
For Verticals >2" To 2-1/2" On Center, Add	2.82	
For Verticals >3" To 4" On Center, Deduct	-2.82	
For Verticals >4" To 6" On Center, Deduct	-5.64	
For Powder Coated Finish, Add	4.23	
For Solid Pickets, Add	9.27	
For Aluminum With Satin Finish, Add	5.52	
For Third Rail, Add	2.11	
For 1" Square x 14 Gauge Pickets, Add	7.05	
For Color, Add	1.41	
For 3" Square Posts, Add	2.82	



		Exterior Improvements	32
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MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0036 LF 5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	51.42	11.19
For Verticals Up To 2" On Center, Add	5.78	
For Verticals >2" To 2-1/2" On Center, Add	2.89	
For Verticals >3" To 4" On Center, Deduct	-2.89	
For Verticals >4" To 6" On Center, Deduct	-5.78	
For Powder Coated Finish, Add	4.33	
For Solid Pickets, Add	9.88	
For Aluminum With Satin Finish, Add	5.29	
For Third Rail, Add	2.17	
For 1" Square x 14 Gauge Pickets, Add	7.22	
For Color, Add	1.44	
For 3" Square Posts, Add	2.89	
32 31 19 00-0037 LF 6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	59.33	12.65
For Verticals Up To 2" On Center, Add	6.81	
For Verticals >2" To 2-1/2" On Center, Add	3.41	
For Verticals >3" To 4" On Center, Deduct	-3.41	
For Verticals >4" To 6" On Center, Deduct	-6.81	
For Powder Coated Finish, Add	5.11	
For Solid Pickets, Add	11.45	
For Aluminum With Satin Finish, Add	6.42	
For Third Rail, Add	2.55	
For 1" Square x 14 Gauge Pickets, Add	8.51	
For Color, Add	1.70	
For 3" Square Posts, Add	3.41	
32 31 19 00-0038 LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	67.48	13.79
For Verticals Up To 2" On Center, Add	7.98	
For Verticals >2" To 2-1/2" On Center, Add	3.99	
For Verticals >3" To 4" On Center, Deduct	-3.99	
For Verticals >4" To 6" On Center, Deduct	-7.98	
For Powder Coated Finish, Add	5.98	
For Solid Pickets, Add	13.11	
For Aluminum With Satin Finish, Add	7.83	
For Third Rail, Add	2.99	
For 1" Square x 14 Gauge Pickets, Add	9.97	
For Color, Add	1.99	
For 4" Square Posts, Add	13.96	
32 31 19 00-0039 LF 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	75.77	15.02
For Verticals Up To 2" On Center, Add	9.15	
For Verticals >2" To 2-1/2" On Center, Add	4.57	
For Verticals >3" To 4" On Center, Deduct	-4.57	
For Verticals >4" To 6" On Center, Deduct	-9.15	
For Powder Coated Finish, Add	6.86	
For Solid Pickets, Add	14.80	
For Aluminum With Satin Finish, Add	9.21	
For Third Rail, Add	3.43	
For 1" Square x 14 Gauge Pickets, Add	11.43	
For Color, Add	2.29	
For 4" Square Posts, Add	16.01	
32 31 19 00-0040 LF 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	87.18	16.09
For Verticals Up To 2" On Center, Add	11.00	
For Verticals >2" To 2-1/2" On Center, Add	5.50	
For Verticals >3" To 4" On Center, Deduct	-5.50	
For Verticals >4" To 6" On Center, Deduct	-11.00	
For Powder Coated Finish, Add	8.25	
For Solid Pickets, Add	17.20	
For Aluminum With Satin Finish, Add	11.67	
For Third Rail, Add	4.12	
For 1" Square x 14 Gauge Pickets, Add	13.75	
For Color, Add	2.75	
For 4" Square Posts, Add	19.25	
32 31 19 00-0041 LF 10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	98.73	17.24
For Verticals Up To 2" On Center, Add	12.85	
For Verticals >2" To 2-1/2" On Center, Add	6.43	
For Verticals >3" To 4" On Center, Deduct	-6.43	
For Verticals >4" To 6" On Center, Deduct	-12.85	
For Powder Coated Finish, Add	9.64	
For Solid Pickets, Add	19.63	
For Aluminum With Satin Finish, Add	14.10	
For Third Rail, Add	4.82	
For 1" Square x 14 Gauge Pickets, Add	16.06	
For Color, Add	3.21	
For 6" Square Posts, Add	22.49	
32 31 19 00-0042 LF 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	115.52	19.16
For Verticals Up To 2" On Center, Add	15.44	
For Verticals >2" To 2-1/2" On Center, Add	7.72	
For Verticals >3" To 4" On Center, Deduct	-7.72	
For Verticals >4" To 6" On Center, Deduct	-15.44	
For Powder Coated Finish, Add	11.58	
For Solid Pickets, Add	23.12	
For Aluminum With Satin Finish, Add	17.42	
For Third Rail, Add	5.79	
For 1" Square x 14 Gauge Pickets, Add	19.30	
For Color, Add	3.86	
For 6" Square Posts, Add	27.02	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0043 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	123.86	20.69
For Verticals Up To 2" On Center, Add	16.50	
For Verticals >2" To 2-1/2" On Center, Add	8.25	
For Verticals >3" To 4" On Center, Deduct	-8.25	
For Verticals >4" To 6" On Center, Deduct	-16.50	
For Powder Coated Finish, Add	12.37	
For Solid Pickets, Add	24.77	
For Aluminum With Satin Finish, Add	18.54	
For Third Rail, Add	6.19	
For 1" Square x 14 Gauge Pickets, Add	20.62	
For Color, Add	4.12	
For 6" Square Posts, Add	28.87	
32 31 19 00-0044 Steel Tube Swing Gates (32 31 19 00-0032)		
32 31 19 00-0045 4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0044)		
32 31 19 00-0046 EA 4' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	637.64	19.16
For Solid Pickets, Add	139.16	
For Aluminum With Satin Finish, Add	165.43	
For Third Rail, Add	43.51	
For 1" Square x 14 Gauge Pickets, Add	58.02	
For Color, Add	29.01	
32 31 19 00-0047 EA 5' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	711.09	20.38
For Solid Pickets, Add	155.40	
For Aluminum With Satin Finish, Add	185.74	
For Third Rail, Add	48.73	
For 1" Square x 14 Gauge Pickets, Add	64.98	
For Color, Add	32.49	
32 31 19 00-0048 EA 6' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	769.79	24.52
For Solid Pickets, Add	167.68	
For Aluminum With Satin Finish, Add	197.83	
For Third Rail, Add	52.22	
For 1" Square x 14 Gauge Pickets, Add	69.62	
For Color, Add	34.81	
32 31 19 00-0049 EA 7' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	944.48	28.58
For Solid Pickets, Add	206.07	
For Aluminum With Satin Finish, Add	244.72	
For Third Rail, Add	64.40	
For 1" Square x 14 Gauge Pickets, Add	85.87	
For Color, Add	42.93	
32 31 19 00-0050 EA 8' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,060.52	28.58
For Solid Pickets, Add	232.18	
For Aluminum With Satin Finish, Add	279.53	
For Third Rail, Add	73.10	
For 1" Square x 14 Gauge Pickets, Add	97.47	
For Color, Add	48.73	
32 31 19 00-0051 EA 9' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,177.86	36.78
For Solid Pickets, Add	256.74	
For Aluminum With Satin Finish, Add	303.71	
For Third Rail, Add	80.06	
For 1" Square x 14 Gauge Pickets, Add	106.75	
For Color, Add	53.38	
32 31 19 00-0052 EA 10' Wide x 4' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,282.93	40.84
For Solid Pickets, Add	279.47	
For Aluminum With Satin Finish, Add	329.71	
For Third Rail, Add	87.03	
For 1" Square x 14 Gauge Pickets, Add	116.03	
For Color, Add	58.02	
32 31 19 00-0053 5' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0044)		
32 31 19 00-0054 EA 4' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	687.89	20.38
For Solid Pickets, Add	150.18	
For Aluminum With Satin Finish, Add	178.78	
For Third Rail, Add	46.99	
For 1" Square x 14 Gauge Pickets, Add	62.66	
For Color, Add	31.33	
32 31 19 00-0055 EA 5' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	761.36	21.69
For Solid Pickets, Add	166.42	
For Aluminum With Satin Finish, Add	199.09	
For Third Rail, Add	52.22	
For 1" Square x 14 Gauge Pickets, Add	69.62	
For Color, Add	34.81	
32 31 19 00-0056 EA 6' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	820.79	26.06
For Solid Pickets, Add	178.82	
For Aluminum With Satin Finish, Add	211.06	
For Third Rail, Add	55.70	
For 1" Square x 14 Gauge Pickets, Add	74.26	
For Color, Add	37.13	
32 31 19 00-0057 EA 7' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	996.25	30.34
For Solid Pickets, Add	217.32	
For Aluminum With Satin Finish, Add	257.84	
For Third Rail, Add	67.88	
For 1" Square x 14 Gauge Pickets, Add	90.51	
For Color, Add	45.25	



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0058 EA 8' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,149.30	34.94
For Solid Pickets, Add	250.72	
For Aluminum With Satin Finish, Add	297.54	
For Third Rail, Add	78.32	
For 1" Square x 14 Gauge Pickets, Add	104.43	
For Color, Add	52.22	
32 31 19 00-0059 EA 9' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,255.15	39.31
For Solid Pickets, Add	273.56	
For Aluminum With Satin Finish, Add	323.44	
For Third Rail, Add	85.29	
For 1" Square x 14 Gauge Pickets, Add	113.71	
For Color, Add	56.86	
32 31 19 00-0060 EA 10' Wide x 5' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,384.21	43.60
For Solid Pickets, Add	301.62	
For Aluminum With Satin Finish, Add	356.30	
For Third Rail, Add	93.99	
For 1" Square x 14 Gauge Pickets, Add	125.32	
For Color, Add	62.66	
32 31 19 00-0061 6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0044)		
32 31 19 00-0062 EA 4' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	761.89	21.84
For Solid Pickets, Add	166.50	
For Aluminum With Satin Finish, Add	199.01	
For Third Rail, Add	52.22	
For 1" Square x 14 Gauge Pickets, Add	69.62	
For Color, Add	34.81	
32 31 19 00-0063 EA 5' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	835.56	23.21
For Solid Pickets, Add	182.77	
For Aluminum With Satin Finish, Add	219.29	
For Third Rail, Add	57.44	
For 1" Square x 14 Gauge Pickets, Add	76.58	
For Color, Add	38.29	
32 31 19 00-0064 EA 6' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	896.53	28.05
For Solid Pickets, Add	195.40	
For Aluminum With Satin Finish, Add	231.03	
For Third Rail, Add	60.92	
For 1" Square x 14 Gauge Pickets, Add	81.22	
For Color, Add	40.61	
32 31 19 00-0065 EA 7' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,073.54	32.95
For Solid Pickets, Add	234.13	
For Aluminum With Satin Finish, Add	277.58	
For Third Rail, Add	73.10	
For 1" Square x 14 Gauge Pickets, Add	97.47	
For Color, Add	48.73	
32 31 19 00-0066 EA 8' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,212.64	37.55
For Solid Pickets, Add	264.40	
For Aluminum With Satin Finish, Add	313.11	
For Third Rail, Add	82.50	
For 1" Square x 14 Gauge Pickets, Add	110.00	
For Color, Add	55.00	
32 31 19 00-0067 EA 9' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,333.96	42.37
For Solid Pickets, Add	290.60	
For Aluminum With Satin Finish, Add	342.95	
For Third Rail, Add	90.51	
For 1" Square x 14 Gauge Pickets, Add	120.68	
For Color, Add	60.34	
32 31 19 00-0068 EA 10' Wide x 6' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,464.54	47.20
For Solid Pickets, Add	318.89	
For Aluminum With Satin Finish, Add	375.57	
For Third Rail, Add	99.21	
For 1" Square x 14 Gauge Pickets, Add	132.28	
For Color, Add	66.14	
32 31 19 00-0069 7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0044)		
32 31 19 00-0070 EA 4' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	775.60	23.53
For Solid Pickets, Add	169.21	
For Aluminum With Satin Finish, Add	200.85	
For Third Rail, Add	52.87	
For 1" Square x 14 Gauge Pickets, Add	70.49	
For Color, Add	35.24	
32 31 19 00-0071 EA 5' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	862.13	24.75
For Solid Pickets, Add	188.40	
For Aluminum With Satin Finish, Add	225.19	
For Third Rail, Add	59.09	
For 1" Square x 14 Gauge Pickets, Add	78.78	
For Color, Add	39.39	
32 31 19 00-0072 EA 6' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	944.56	30.12
For Solid Pickets, Add	205.74	
For Aluminum With Satin Finish, Add	242.68	
For Third Rail, Add	64.06	
For 1" Square x 14 Gauge Pickets, Add	85.41	
For Color, Add	42.71	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0073	EA		7' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,163.05	35.24
			<i>For Solid Pickets, Add</i>	253.76	
			<i>For Aluminum With Satin Finish, Add</i>	301.33	
			<i>For Third Rail, Add</i>	79.30	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.73	
			<i>For Color, Add</i>	52.87	
32 31 19 00-0074	EA		8' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,386.46	40.54
			<i>For Solid Pickets, Add</i>	302.82	
			<i>For Aluminum With Satin Finish, Add</i>	361.11	
			<i>For Third Rail, Add</i>	94.85	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	126.46	
			<i>For Color, Add</i>	63.23	
32 31 19 00-0075	EA		9' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,422.51	45.67
			<i>For Solid Pickets, Add</i>	309.78	
			<i>For Aluminum With Satin Finish, Add</i>	365.03	
			<i>For Third Rail, Add</i>	96.40	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	128.54	
			<i>For Color, Add</i>	64.27	
32 31 19 00-0076	EA		10' Wide x 7' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,562.99	51.04
			<i>For Solid Pickets, Add</i>	340.18	
			<i>For Aluminum With Satin Finish, Add</i>	399.93	
			<i>For Third Rail, Add</i>	105.73	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	140.97	
			<i>For Color, Add</i>	70.49	
32 31 19 00-0077			8' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0044)</small>		
32 31 19 00-0078	EA		4' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	864.43	25.52
			<i>For Solid Pickets, Add</i>	188.75	
			<i>For Aluminum With Satin Finish, Add</i>	224.85	
			<i>For Third Rail, Add</i>	59.09	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	78.78	
			<i>For Color, Add</i>	39.39	
32 31 19 00-0079	EA		5' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	976.89	28.43
			<i>For Solid Pickets, Add</i>	213.39	
			<i>For Aluminum With Satin Finish, Add</i>	254.62	
			<i>For Third Rail, Add</i>	66.86	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.15	
			<i>For Color, Add</i>	44.57	
32 31 19 00-0080	EA		6' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,008.73	32.19
			<i>For Solid Pickets, Add</i>	219.72	
			<i>For Aluminum With Satin Finish, Add</i>	259.17	
			<i>For Third Rail, Add</i>	68.41	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.22	
			<i>For Color, Add</i>	45.61	
32 31 19 00-0081	EA		7' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,256.71	38.77
			<i>For Solid Pickets, Add</i>	274.02	
			<i>For Aluminum With Satin Finish, Add</i>	324.60	
			<i>For Third Rail, Add</i>	85.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	114.02	
			<i>For Color, Add</i>	57.01	
32 31 19 00-0082	EA		8' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,483.18	45.14
			<i>For Solid Pickets, Add</i>	323.54	
			<i>For Aluminum With Satin Finish, Add</i>	383.92	
			<i>For Third Rail, Add</i>	101.07	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	134.76	
			<i>For Color, Add</i>	67.38	
32 31 19 00-0083	EA		9' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,544.56	51.80
			<i>For Solid Pickets, Add</i>	335.86	
			<i>For Aluminum With Satin Finish, Add</i>	393.37	
			<i>For Third Rail, Add</i>	104.18	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.90	
			<i>For Color, Add</i>	69.45	
32 31 19 00-0084	EA		10' Wide x 8' High Steel Tube Swing Gate, Hardware And Associated Trim.....	1,647.40	58.47
			<i>For Solid Pickets, Add</i>	357.50	
			<i>For Aluminum With Satin Finish, Add</i>	415.26	
			<i>For Third Rail, Add</i>	110.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	147.19	
			<i>For Color, Add</i>	73.60	
32 31 19 00-0085			Replace Steel Tube Fence Pickets <small>(32 31 19 00-0032)</small>		
32 31 19 00-0086	LF		Replace 3/4" Square x 16 Gauge Steel Tube Fence Picket.....	19.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	0.43	
32 31 19 00-0087			Remove And Reinstall Ornamental Fences <small>(32 31 19)</small>		
			Note: Removal and reinstallation of fences including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0088	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	34.48	
32 31 19 00-0089	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height.....	37.93	
32 31 19 00-0090	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height.....	41.38	
32 31 19 00-0091	LF		Removal And Reinstallation Of Ornamental Fence, 8' Height.....	44.83	
32 31 19 00-0092	LF		Removal And Reinstallation Of Ornamental Fence, 9' Height.....	48.27	
32 31 19 00-0093	LF		Removal And Reinstallation Of Ornamental Fence, 10' Height.....	51.72	
32 31 19 00-0094	LF		Removal And Reinstallation Of Ornamental Fence 12' Height.....	57.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 Wire Fences And Gates (32 31)		
32 31 26 00-0001 Chicken Wire (32 31 26) Note: Posts at 4'.		
32 31 26 00-0002 LF 1" Mesh, 4' High Chicken Wire Posts At 4'	6.07	1.37
32 31 26 00-0003 LF 2" Mesh, 6' High Chicken Wire Posts At 4'	6.71	1.37
32 31 26 00-0004 Galvanized Steel (32 31 26)		
32 31 26 00-0005 12 Gauge, 2" x 4" Welded Mesh (32 31 26 00-0004) Note: Posts 5' on center.		
32 31 26 00-0006 LF 3' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.30	1.37
32 31 26 00-0007 LF 5' High 12 Gauge Galvanized Steel Fence 2" x 4" Mesh, Posts At 5'	7.75	1.37
32 31 26 00-0008 14 Gauge, 1" x 2" Welded Mesh (32 31 26 00-0004) Note: Posts 5' on center.		
32 31 26 00-0009 LF 3' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.21	1.37
32 31 26 00-0010 LF 5' High 14 Gauge Galvanized Steel Fence 1" x 2" Mesh, Posts At 5'	7.61	1.37
32 31 26 00-0011 Wire And Screen (32 31 26)		
32 31 26 00-0012 Wire And Screen For Partitions And Fences (32 31 26 00-0011) Note: Excludes framing and post.		
32 31 26 00-0013 Screen Wire (32 31 26 00-0012)		
32 31 26 00-0014 SF Screen Wire, 48" Wide Rolls	2.17	0.79
32 31 26 00-0015 Hog Wire (32 31 26 00-0012)		
32 31 26 00-0016 SF 4" x 4" Hog Wire For Fencing	1.57	0.63
32 31 26 00-0017 SF 6" x 6" Hog Wire For Fencing	1.64	0.71
32 31 26 00-0018 Screen For Partitions And Ceilings (32 31 26 00-0011) Note: Can be used to support insulation on walls and ceilings.		
32 31 26 00-0019 SF 1" Mesh Chicken Wire	1.37	
32 31 26 00-0020 Wicket Fence (32 31 26)		
32 31 26 00-0021 LF Steel Wicket Fence, Painted	42.88	4.02
32 31 29 Wood Fences And Gates (32 31)		
32 31 29 00-0001 Basket Weave (32 31 29) Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	23.60	2.74
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	17.64	2.74
	1.47	
	1.19	
32 31 29 00-0004 Board Fence (32 31 29) Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated	15.88	2.74
For 1" x 6" Boards, Deduct	-2.03	
For 1" x 3" Boards (Stockade Top), Add	2.63	
For Screwing Of Boards Instead Of Nails, Add	1.11	
32 31 29 00-0006 LF Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated	17.36	2.74
For 1" x 6" Boards, Deduct	-2.19	
For 1" x 3" Boards (Stockade Top), Add	2.83	
For Screwing Of Boards Instead Of Nails, Add	1.21	
32 31 29 00-0007 LF Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated	18.71	2.74
For 1" x 6" Boards, Deduct	-2.30	
For 1" x 3" Boards (Stockade Top), Add	2.96	
For Screwing Of Boards Instead Of Nails, Add	1.29	
32 31 29 00-0008 LF Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated	19.74	2.74
For 1" x 6" Boards, Deduct	-2.40	
For 1" x 3" Boards (Stockade Top), Add	3.09	
For Screwing Of Boards Instead Of Nails, Add	1.35	
32 31 29 00-0009 LF Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated	20.81	2.74
For 1" x 6" Boards, Deduct	-2.51	
For 1" x 3" Boards (Stockade Top), Add	3.22	
For Screwing Of Boards Instead Of Nails, Add	1.42	
32 31 29 00-0010 LF Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar	16.42	2.74
For 1" x 6" Boards, Deduct	-2.05	
For 1" x 3" Boards (Stockade Top), Add	2.64	
For Screwing Of Boards Instead Of Nails, Add	1.14	

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	29 00-0011	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar.....	17.78	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.21	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.84	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.23	
32 31	29 00-0012	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar.....	18.71	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.30	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.96	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.29	
32 31	29 00-0013	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar.....	19.74	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.40	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.09	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.35	
32 31	29 00-0014	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar.....	20.81	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.51	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.22	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.42	
32 31	29 00-0015	LF	Board Fence, 2 - 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar.....	16.42	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.05	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.64	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.14	
32 31	29 00-0016	LF	Board Fence, 2 - 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar.....	19.64	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.28	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	2.90	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.32	
32 31	29 00-0017	LF	Board Fence, 3 - 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar.....	20.49	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.37	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.01	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.38	
32 31	29 00-0018	LF	Board Fence, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar.....	21.73	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.48	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.15	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.45	
32 31	29 00-0019	LF	Board Fence, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar.....	23.03	2.74
			<i>For 1" x 6" Boards, Deduct</i>	-2.60	
			<i>For 1" x 3" Boards (Stockade Top), Add</i>	3.28	
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.53	
32 31	29 00-0020		Shadow Box <small>(32 31 29)</small>		
			Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31	29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine.....	16.45	2.74
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.11	
32 31	29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar.....	19.97	2.74
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.34	
32 31	29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar.....	21.17	2.74
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.41	
32 31	29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar.....	22.69	2.74
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.51	
32 31	29 00-0025		Open Rail Fence <small>(32 31 29)</small>		
32 31	29 00-0026		Post And Rail Fence, Ranch Style <small>(32 31 29 00-0025)</small>		
32 31	29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar.....	14.01	2.74
32 31	29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar.....	12.81	2.74
32 31	29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar.....	15.60	2.74
32 31	29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar.....	13.73	2.74
32 31	29 00-0031		Split Rail Fence <small>(32 31 29 00-0025)</small>		
32 31	29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar.....	13.70	2.74
32 31	29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	12.80	2.74
32 31	29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	15.01	2.74
32 31	29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	13.90	2.74
32 31	29 00-0036		Picket Fence <small>(32 31 29)</small>		
32 31	29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated.....	15.05	2.74
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.08	
32 31	29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar.....	14.78	2.74
			<i>For Screwing Of Boards Instead Of Nails, Add</i>	1.07	
32 31	29 00-0039		Wood Gate <small>(32 31 29)</small>		
32 31	29 00-0040		Board Fence Gates, Pressure Treated Wood <small>(32 31 29 00-0039)</small>		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31	29 00-0041	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	242.11	97.48
32 31	29 00-0042	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	262.30	103.33
32 31	29 00-0043	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	290.28	113.08
32 31	29 00-0044	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	318.01	118.93
32 31	29 00-0045	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	345.74	124.78
32 31	29 00-0046	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	313.92	128.68



		Exterior Improvements	32
		Site Improvements	32 30
		Fences And Gates	32 31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0047	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	335.05	134.53
32 31 29 00-0048	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	356.18	140.38
32 31 29 00-0049	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	386.74	146.23
32 31 29 00-0050	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	412.57	152.08
32 31 29 00-0051			Board Fence Gates, Grade 2 Cedar <small>(32 31 29 00-0039)</small>		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0052	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	298.92	85.81
32 31 29 00-0053	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	312.04	90.96
32 31 29 00-0054	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	332.98	99.55
32 31 29 00-0055	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	350.82	104.69
32 31 29 00-0056	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	371.49	109.84
32 31 29 00-0057	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	367.98	113.28
32 31 29 00-0058	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	382.99	118.42
32 31 29 00-0059	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	402.72	123.57
32 31 29 00-0060	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	422.45	128.72
32 31 29 00-0061	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	442.17	133.87
32 31 29 00-0062			Board Fence Gates, Grade 1 Cedar <small>(32 31 29 00-0039)</small>		
			Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0063	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	313.07	85.81
32 31 29 00-0064	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	328.07	90.96
32 31 29 00-0065	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	349.95	99.55
32 31 29 00-0066	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	369.67	104.69
32 31 29 00-0067	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	389.40	109.84
32 31 29 00-0068	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	386.83	113.28
32 31 29 00-0069	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	401.85	118.42
32 31 29 00-0070	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	421.58	123.57
32 31 29 00-0071	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	441.31	128.72
32 31 29 00-0072	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	465.74	133.87
32 31 29 00-0073			Pressure Treated Wood Fence Posts <small>(32 31 29)</small>		
			See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock, 32 31 13 00-0633 for barbed wire, 32 31 56 00-0014 for barbed wire.		
32 31 29 00-0074	EA		4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	23.61	9.75
32 31 29 00-0075	EA		6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	25.10	9.75
32 31 29 00-0076	EA		4' High, Pressure Treated Wood Fence Posts, Set In Concrete	43.46	18.72
32 31 29 00-0077	EA		6' High, Pressure Treated Wood Fence Posts, Set In Concrete	45.16	18.72
32 31 56			Wild Life Deterrent Fence <small>(32 31)</small>		
32 31 56 00-0001			Barbed Wire Fences <small>(32 31 56)</small>		
			See CSI section 32 31 13 00-0001 for drilling augering, 32 31 13 00-0002 for drilling in soil, 32 31 13 00-0015 for drilling in rock.		
32 31 56 00-0002			Fence Posts <small>(32 31 56 00-0001)</small>		
32 31 56 00-0003			Fence Post Soil, Set In Concrete <small>(32 31 56 00-0002)</small>		
32 31 56 00-0004	EA		Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	64.61	6.13
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	103.56	
32 31 56 00-0005	EA		Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	84.94	6.13
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	137.51	
32 31 56 00-0006			Post In Rock <small>(32 31 56 00-0002)</small>		
32 31 56 00-0007	EA		Barbed Wire Fence Post, Galvanized Grouted In Rock	63.26	6.13
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	101.53	
32 31 56 00-0008	EA		Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	83.59	6.13
			<i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	135.48	
32 31 56 00-0009			Post Driven Into Dirt <small>(32 31 56 00-0002)</small>		
			Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010	EA		3' Metal Posts, Driven Into Earth	19.52	
32 31 56 00-0011	EA		4' Metal Posts, Driven Into Earth	21.41	
32 31 56 00-0012	EA		5' Metal Posts, Driven Into Earth	23.91	
32 31 56 00-0013	EA		6' Metal Posts, Driven Into Earth	25.81	
32 31 56 00-0014			Barbed Wire <small>(32 31 56 00-0001)</small>		
			Note: Per strand.		
32 31 56 00-0015	LF		Barbed Wire, Galvanized Per Strand	0.67	0.30
32 31 56 00-0016	LF		Barbed Wire, Vinyl Coated Per Strand	0.71	0.30

32 Exterior Improvements**32 30 Site Improvements****32 31 Fences And Gates**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 31 56 00-0017	Barbed Wire Fence, Farm Style, With Wood Posts <small>(32 31 56 00-0001)</small>		
	Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.		
32 31 56 00-0018	LF Barbed Wire, Standard 3 Strand Fence With Posts	8.07	1.53

32 32 Retaining Walls (32 30)**32 32 13 Cast-In-Place Concrete Retaining Wall (32 32)**

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001	LF 4' High With Base, 10" Thick Reinforced	274.05	101.08
	<i>For >3:1 Sloped Soil At Top, Add</i>	6.12	
32 32 13 00-0002	LF 6' High With Base, 10" Thick Reinforced	341.74	124.39
	<i>For >3:1 Sloped Soil At Top, Add</i>	7.90	
32 32 13 00-0003	LF 8' High With Base, 10" Thick Reinforced	372.16	134.17
	<i>For >3:1 Sloped Soil At Top, Add</i>	8.83	
32 32 13 00-0004	LF 10' High With Base, 13" Thick Reinforced	473.74	165.89
	<i>For >3:1 Sloped Soil At Top, Add</i>	12.07	
32 32 13 00-0005	LF 12' High With Base, 14" Thick Reinforced	545.92	190.55
	<i>For >3:1 Sloped Soil At Top, Add</i>	14.00	
32 32 13 00-0006	LF 16' High With Base, 16" Thick Reinforced	790.04	279.54
	<i>For >3:1 Sloped Soil At Top, Add</i>	19.64	
32 32 13 00-0007	LF 20' High With Base, 18" Thick Reinforced	1,084.71	385.93
	<i>For >3:1 Sloped Soil At Top, Add</i>	26.59	
32 32 13 00-0008	LF 4' High With Base, 12" Thick Reinforced	301.11	110.39
	<i>For >3:1 Sloped Soil At Top, Add</i>	6.83	
32 32 13 00-0009	LF 6' High With Base, 12" Thick Reinforced	368.43	133.01
	<i>For >3:1 Sloped Soil At Top, Add</i>	8.71	
32 32 13 00-0010	LF 8' High With Base, 12" Thick Reinforced	389.97	138.79
	<i>For >3:1 Sloped Soil At Top, Add</i>	9.55	
32 32 13 00-0011	LF 10' High With Base, 16" Thick Reinforced	536.14	186.00
	<i>For >3:1 Sloped Soil At Top, Add</i>	13.95	
32 32 13 00-0012	LF 12' High With Base, 18" Thick Reinforced	680.01	238.92
	<i>For >3:1 Sloped Soil At Top, Add</i>	17.18	
32 32 13 00-0013	LF 16' High With Base, 21" Thick Reinforced	1,019.93	362.15
	<i>For >3:1 Sloped Soil At Top, Add</i>	25.14	
32 32 13 00-0014	LF 20' High With Base, 24" Thick Reinforced	1,439.44	511.19
	<i>For >3:1 Sloped Soil At Top, Add</i>	35.45	

32 32 16 Precast Concrete Retaining Walls (32 32)

32 32 16 00-0001	Precast Retaining Walls <small>(32 32 16)</small>		
	Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002	SF Precast Concrete Retaining Walls, 10-15' high Tied-back Earth Walls	37.36	9.56
32 32 16 00-0003	SF Precast Concrete Retaining Walls, 16-20' High Tied-back Earth Walls	36.95	7.68
32 32 16 00-0004	SF Precast Concrete Retaining Walls, 21-25' High Tied-back Earth Walls	37.28	6.39
32 32 16 00-0005	SF Precast Concrete Retaining Walls, 26-30' High Tied-back Earth Walls	39.97	6.39
32 32 16 00-0006	SF Precast Concrete Retaining Walls, >30' High Tied-back Earth Walls	41.44	5.46

32 32 23 Segmental Retaining Walls (32 32)**32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)**

32 32 23 13-0001	Modular Retaining Wall Systems <small>(32 32 23 13)</small>		
	Note: Includes installation, material and manufacture's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
32 32 23 13-0002	"Amastone" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0003	SF Up To 4' Height "Amastone" Type Modular Retaining Wall System	42.59	6.46
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.52	
32 32 23 13-0004	SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System	44.93	6.80
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.66	
32 32 23 13-0005	SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System	47.00	7.48
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.72	
32 32 23 13-0006	SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System	49.17	8.16
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.79	
32 32 23 13-0007	"Diamond" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0008	SF Up To 4' Height "Diamond" Type Modular Retaining Wall System	44.14	6.46
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.65	
32 32 23 13-0009	SF 4 To 8' Height "Diamond" Type Modular Retaining Wall System	46.48	6.80
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.79	
32 32 23 13-0010	SF 8 To 12' Height "Diamond" Type Modular Retaining Wall System	48.55	7.48
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.86	
32 32 23 13-0011	SF 12 To 16' Height "Diamond" Type Modular Retaining Wall System	50.72	8.16
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.92	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0013	SF Up To 4' Height "Keystone" Type Modular Retaining Wall System.....	47.85
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.97
32 32 23 13-0014	SF 4 To 8' Height "Keystone" Type Modular Retaining Wall System	50.18
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.11
32 32 23 13-0015	SF 8 To 12' Height "Keystone" Type Modular Retaining Wall System	52.25
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.17
32 32 23 13-0016	SF 12 To 16' Height "Keystone" Type Modular Retaining Wall System	54.43
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.24

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0018	SF Up To 4' Height "Criblock" Type Modular Retaining Wall System.....	42.59
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.52
	<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25
32 32 23 13-0019	SF 4 To 8' Height "Criblock" Type Modular Retaining Wall System	44.93
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.66
	<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25
32 32 23 13-0020	SF 8 To 12' Height "Criblock" Type Modular Retaining Wall System	47.00
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.72
	<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25
32 32 23 13-0021	SF 12 To 16' Height "Criblock" Type Modular Retaining Wall System	49.17
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.79
	<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems <small>(32 32 23 13-0001)</small>		
32 32 23 13-0023	SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	37.89
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.12
32 32 23 13-0024	SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	41.77
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.39
32 32 23 13-0025	SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	43.87
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.46
32 32 23 13-0026	SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	45.76
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.50

32 32 23 13-0027 Cap Block Restoration <small>(32 32 23 13-0001)</small>		
Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF Removal And Reinstall Cap Block And Pins.....	21.17
	<i>For >3:1 Sloped Soil At Top, Add</i>	1.01

32 32 26 Metal Crib Retaining Walls (32 32)

32 32 26 00-0001 Aluminized Steel Bin <small>(32 32 26)</small>		
Note: Excludes excavation and backfill.		
32 32 26 00-0002	SF 4' High, 5.5' Deep Aluminized Steel Bin.....	26.05
	<i>For >3:1 Sloped Soil At Top, Add</i>	1.58
	<i>For Galvanized Type, Deduct</i>	-1.86
32 32 26 00-0003	SF 8' High, 5.5' Deep Aluminized Steel Bin.....	28.96
	<i>For >3:1 Sloped Soil At Top, Add</i>	1.82
	<i>For Galvanized Type, Deduct</i>	-2.15
32 32 26 00-0004	SF 10' High, 7.7' Deep Aluminized Steel Bin.....	30.94
	<i>For >3:1 Sloped Soil At Top, Add</i>	1.94
	<i>For Galvanized Type, Deduct</i>	-2.29
32 32 26 00-0005	SF 12' High, 7.7' Deep Aluminized Steel Bin.....	35.23
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.22
	<i>For Galvanized Type, Deduct</i>	-2.61
32 32 26 00-0006	SF 16' High, 7.7' Deep Aluminized Steel Bin.....	34.09
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.10
	<i>For Galvanized Type, Deduct</i>	-2.47
32 32 26 00-0007	SF 16' High, 9.9' Deep Aluminized Steel Bin.....	37.76
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.39
	<i>For Galvanized Type, Deduct</i>	-2.82
32 32 26 00-0008	SF 20' High, 9.9' Deep Aluminized Steel Bin.....	41.78
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.68
	<i>For Galvanized Type, Deduct</i>	-3.15
32 32 26 00-0009	SF 20' High, 12.1' Deep Aluminized Steel Bin.....	42.81
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.73
	<i>For Galvanized Type, Deduct</i>	-3.22
32 32 26 00-0010	SF 24' High, 12.1' Deep Aluminized Steel Bin.....	44.91
	<i>For >3:1 Sloped Soil At Top, Add</i>	2.91
	<i>For Galvanized Type, Deduct</i>	-3.42
32 32 26 00-0011	SF 24' High, 14.3' Deep Aluminized Steel Bin.....	47.01
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.08
	<i>For Galvanized Type, Deduct</i>	-3.62
32 32 26 00-0012	SF 28' High, 14.3' Deep Aluminized Steel Bin.....	48.53
	<i>For >3:1 Sloped Soil At Top, Add</i>	3.19
	<i>For Galvanized Type, Deduct</i>	-3.75

32 32 29 Timber Retaining Walls (32 32)

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0001			Wood Post Retaining Walls <small>(32 32 29)</small> Note: System elements include wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF		4" x 4", 1' High, Redwood .....52.52	52.52	20.81
			<i>For >3:1 Sloped Soil At Top, Add</i> .....0.93		
32 32 29 00-0003	LF		4" x 4", 2' High, Redwood .....102.84	102.84	40.75
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.82		
32 32 29 00-0004	LF		4" x 4", 1' High, Cedar.....51.12	51.12	20.81
			<i>For >3:1 Sloped Soil At Top, Add</i> .....0.81		
32 32 29 00-0005	LF		4" x 4", 2' High, Cedar.....100.12	100.12	40.75
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.59		
32 32 29 00-0006	LF		4" x 4", 1' High, Pressure Treated Lumber.....46.92	46.92	18.18
			<i>For >3:1 Sloped Soil At Top, Add</i> .....0.89		
32 32 29 00-0007	LF		4" x 4", 2' High, Pressure Treated Lumber .....91.80	91.80	35.56
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.75		
32 32 29 00-0008	LF		4" x 4", 1' High, Creosoted Lumber.....41.56	41.56	16.13
			<i>For >3:1 Sloped Soil At Top, Add</i> .....0.79		
32 32 29 00-0009	LF		4" x 4", 2' High, Creosoted Lumber .....75.15	75.15	29.21
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.42		
32 32 29 00-0010	LF		6 x 6, 2' High, Redwood.....134.52	134.52	49.36
			<i>For >3:1 Sloped Soil At Top, Add</i> .....3.04		
32 32 29 00-0011	LF		6 x 6, 4' High, Redwood.....265.03	265.03	96.75
			<i>For >3:1 Sloped Soil At Top, Add</i> .....6.09		
32 32 29 00-0012	LF		6 x 6, 2' High, Cedar .....132.96	132.96	49.36
			<i>For >3:1 Sloped Soil At Top, Add</i> .....2.91		
32 32 29 00-0013	LF		6 x 6, 4' High, Cedar .....261.14	261.14	96.75
			<i>For >3:1 Sloped Soil At Top, Add</i> .....5.75		
32 32 29 00-0014	LF		6 x 6, 2' High, Pressure Treated Lumber .....113.67	113.67	40.09
			<i>For >3:1 Sloped Soil At Top, Add</i> .....2.84		
32 32 29 00-0015	LF		6 x 6, 4' High, Pressure Treated Lumber .....225.29	225.29	79.15
			<i>For >3:1 Sloped Soil At Top, Add</i> .....5.69		
32 32 29 00-0016	LF		6 x 6, 2' High, Creosoted Lumber .....91.03	91.03	32.06
			<i>For >3:1 Sloped Soil At Top, Add</i> .....2.28		
32 32 29 00-0017	LF		6 x 6, 4' High, Creosoted Lumber .....178.75	178.75	62.73
			<i>For >3:1 Sloped Soil At Top, Add</i> .....4.53		
32 32 29 00-0018	LF		8 x 8, 4' High, Redwood.....320.61	320.61	106.98
			<i>For >3:1 Sloped Soil At Top, Add</i> .....9.06		
32 32 29 00-0019	LF		8 x 8, 6' High, Redwood.....599.38	599.38	199.72
			<i>For >3:1 Sloped Soil At Top, Add</i> .....17.00		
32 32 29 00-0020	LF		8 x 8, 4' High, Cedar .....312.83	312.83	106.98
			<i>For >3:1 Sloped Soil At Top, Add</i> .....8.40		
32 32 29 00-0021	LF		8 x 8, 6' High, Cedar .....584.60	584.60	199.72
			<i>For >3:1 Sloped Soil At Top, Add</i> .....15.74		
32 32 29 00-0022	LF		8 x 8, 4' High, Pressure Treated Lumber .....326.22	326.22	123.41
			<i>For >3:1 Sloped Soil At Top, Add</i> .....6.75		
32 32 29 00-0023	LF		8 x 8, 6' High, Pressure Treated Lumber .....608.80	608.80	230.47
			<i>For >3:1 Sloped Soil At Top, Add</i> .....12.57		
32 32 29 00-0024	LF		8 x 8, 4' High, Creosoted Lumber .....263.68	263.68	99.75
			<i>For >3:1 Sloped Soil At Top, Add</i> .....5.46		
32 32 29 00-0025	LF		8 x 8, 6' High, Creosoted Lumber .....489.09	489.09	185.04
			<i>For >3:1 Sloped Soil At Top, Add</i> .....10.12		
32 32 29 00-0026	LF		Random Diameter Poles, Cedar 4' High.....101.73	101.73	41.11
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.65		
32 32 29 00-0027	LF		Random Diameter Poles, Cedar 6' High.....152.22	152.22	61.70
			<i>For >3:1 Sloped Soil At Top, Add</i> .....2.45		
32 32 29 00-0028	LF		Random Diameter Poles, Cedar 8' High.....202.63	202.63	82.23
			<i>For >3:1 Sloped Soil At Top, Add</i> .....3.24		
32 32 29 00-0029	LF		Random Diameter Poles, 4' High Creosoted Lumber .....65.56	65.56	23.22
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.62		
32 32 29 00-0030	LF		Random Diameter Poles, 6' High Creosoted Lumber .....95.07	95.07	33.52
			<i>For >3:1 Sloped Soil At Top, Add</i> .....2.38		
32 32 29 00-0031	LF		Random Diameter Poles, 8' High.....128.63	128.63	45.28
			<i>For >3:1 Sloped Soil At Top, Add</i> .....3.24		
32 32 29 00-0032			Post And Board Retaining Walls <small>(32 32 29)</small> Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0033	LF		4 x 4 Post, 4' Spacing, 3' High Redwood, 2" Planking .....38.81	38.81	12.34
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.20		
32 32 29 00-0034	LF		4 x 4 Post, 2' Spacing, 4' High 2" Planking, Redwood .....61.24	61.24	21.10
			<i>For >3:1 Sloped Soil At Top, Add</i> .....1.62		
32 32 29 00-0035	LF		6 x 6 Post, 4' Spacing, 5' High 2" Planking, Redwood .....79.31	79.31	26.21
			<i>For >3:1 Sloped Soil At Top, Add</i> .....2.28		
32 32 29 00-0036	LF		6 x 6 Post, 3' Spacing, 6' High 2" Planking, Redwood .....111.22	111.22	37.17
			<i>For >3:1 Sloped Soil At Top, Add</i> .....3.14		
32 32 29 00-0037	LF		6 x 6 With Deadman, 3' Spacing, 8' High 2" Planking, Redwood.....145.31	145.31	48.34
			<i>For >3:1 Sloped Soil At Top, Add</i> .....4.13		
32 32 29 00-0038	LF		8 x 8 Post, 2' Spacing, 8' High 2" Planking, Redwood .....295.59	295.59	95.66
			<i>For >3:1 Sloped Soil At Top, Add</i> .....8.86		
32 32 29 00-0039	LF		8 x 8 With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood.....332.48	332.48	105.95
			<i>For >3:1 Sloped Soil At Top, Add</i> .....10.25		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0040 LF 4 x 4 Post, 4' Spacing, 3' High, 2" Planking, Cedar.....	39.64	12.85
For >3:1 Sloped Soil At Top, Add	1.18	
32 32 29 00-0041 LF 4 x 4 With Deadman, 2' Spacing, 4' High 2" Planking, Cedar.....	69.79	22.86
For >3:1 Sloped Soil At Top, Add	2.05	
32 32 29 00-0042 LF 6 x 6 Post, 4' Spacing, 4' High 2" Planking, Cedar.....	68.58	22.42
For >3:1 Sloped Soil At Top, Add	2.02	
32 32 29 00-0043 LF 6 x 6 Post, 3' Spacing, 5' High 2" Planking, Cedar.....	96.68	32.21
For >3:1 Sloped Soil At Top, Add	2.74	
32 32 29 00-0044 LF 6 x 6 Post, 2' Spacing, 6' High 2" Planking, Cedar.....	151.50	51.41
For >3:1 Sloped Soil At Top, Add	4.13	
32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar.....	119.07	39.50
For >3:1 Sloped Soil At Top, Add	3.41	
32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar.....	305.59	98.73
For >3:1 Sloped Soil At Top, Add	9.19	
32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	55.49	23.74
For >3:1 Sloped Soil At Top, Add	0.68	
32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	79.81	33.73
For >3:1 Sloped Soil At Top, Add	1.05	
32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat.....	113.95	46.30
For >3:1 Sloped Soil At Top, Add	1.82	
32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	197.93	78.14
For >3:1 Sloped Soil At Top, Add	3.54	
32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	199.88	78.14
For >3:1 Sloped Soil At Top, Add	3.70	
32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat.....	189.08	75.07
For >3:1 Sloped Soil At Top, Add	3.31	
32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated.....	441.85	172.71
For >3:1 Sloped Soil At Top, Add	8.20	
32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	55.49	23.74
For >3:1 Sloped Soil At Top, Add	0.68	
32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	79.81	33.73
For >3:1 Sloped Soil At Top, Add	1.05	
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking.....	113.95	46.30
For >3:1 Sloped Soil At Top, Add	1.82	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	142.81	57.61
For >3:1 Sloped Soil At Top, Add	2.35	
32 32 29 00-0058 LF 6 x 6 Post, 2' Spacing, 7' High Creosoted, 2" Planking.....	197.93	78.14
For >3:1 Sloped Soil At Top, Add	3.54	
32 32 29 00-0059 LF 6 x 6 Post With Deadman, 3' Spacing, 8' High, Creosoted, 2" Planking.....	189.08	75.07
For >3:1 Sloped Soil At Top, Add	3.31	
32 32 29 00-0060 LF 8 x 8 Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking.....	441.85	172.71
For >3:1 Sloped Soil At Top, Add	8.20	
32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' (32 32 29)		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0062 Redwood (32 32 29 00-0061)		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall.....	69.28	25.26
For >3:1 Sloped Soil At Top, Add	1.59	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	157.98	57.61
For >3:1 Sloped Soil At Top, Add	3.64	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	236.62	86.39
For >3:1 Sloped Soil At Top, Add	5.42	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	222.00	74.05
For >3:1 Sloped Soil At Top, Add	6.28	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	333.48	111.07
For >3:1 Sloped Soil At Top, Add	9.46	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	439.91	146.04
For >3:1 Sloped Soil At Top, Add	12.57	
32 32 29 00-0069 Cedar (32 32 29 00-0061)		
32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall.....	68.50	25.26
For >3:1 Sloped Soil At Top, Add	1.52	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	155.65	57.61
For >3:1 Sloped Soil At Top, Add	3.44	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	233.51	86.39
For >3:1 Sloped Soil At Top, Add	5.16	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	216.55	74.05
For >3:1 Sloped Soil At Top, Add	5.82	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	325.70	111.07
For >3:1 Sloped Soil At Top, Add	8.80	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	429.01	146.04
For >3:1 Sloped Soil At Top, Add	11.64	
32 32 29 00-0076 Creosoted Wood (32 32 29 00-0061)		
32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall.....	80.33	33.52
For >3:1 Sloped Soil At Top, Add	1.13	
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	184.24	77.11
For >3:1 Sloped Soil At Top, Add	2.55	

32 Exterior Improvements**32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	273.04	114.14
For >3:1 Sloped Soil At Top, Add	3.80	
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	370.47	155.24
For >3:1 Sloped Soil At Top, Add	5.09	
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	539.46	226.16
For >3:1 Sloped Soil At Top, Add	7.41	
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	715.66	299.83
For >3:1 Sloped Soil At Top, Add	9.86	
32 32 29 00-0083 Pressure Treated Wood (32 32 29 00-0061)		
32 32 29 00-0084 LF 2' High, 6" x 6" Wood Tie Wall.....	59.31	20.88
For >3:1 Sloped Soil At Top, Add	1.49	
32 32 29 00-0085 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	134.70	47.31
For >3:1 Sloped Soil At Top, Add	3.41	
32 32 29 00-0086 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	201.84	70.98
For >3:1 Sloped Soil At Top, Add	5.09	
32 32 29 00-0087 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	225.52	85.36
For >3:1 Sloped Soil At Top, Add	4.66	
32 32 29 00-0088 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	338.35	127.58
For >3:1 Sloped Soil At Top, Add	7.08	
32 32 29 00-0089 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	448.94	169.63
For >3:1 Sloped Soil At Top, Add	9.33	
32 32 53 Stone Retaining Walls (32 32)		
32 32 53 00-0001 Stone Retaining Walls (32 32 53)		
Note: Construction is either dry set or mortar set. System elements include concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.		
32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$16.00/ton.		
32 32 53 00-0003 LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set.....	331.56	153.08
For >3:1 Sloped Soil At Top, Add	2.15	
32 32 53 00-0004 LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set.....	391.98	182.12
For >3:1 Sloped Soil At Top, Add	2.35	
32 32 53 00-0005 LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set.....	516.32	241.96
For >3:1 Sloped Soil At Top, Add	2.75	
32 32 53 00-0006 LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set.....	798.53	378.32
For >3:1 Sloped Soil At Top, Add	3.56	
32 32 53 00-0007 LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,039.31	494.89
For >3:1 Sloped Soil At Top, Add	4.21	
32 32 53 00-0008 LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,290.94	616.27
For >3:1 Sloped Soil At Top, Add	4.96	
32 32 53 00-0009 LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set.....	296.41	135.54
For >3:1 Sloped Soil At Top, Add	2.15	
32 32 53 00-0010 LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set.....	348.46	160.36
For >3:1 Sloped Soil At Top, Add	2.35	
32 32 53 00-0011 LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set.....	452.08	209.80
For >3:1 Sloped Soil At Top, Add	2.75	
32 32 53 00-0012 LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set.....	695.12	326.64
For >3:1 Sloped Soil At Top, Add	3.56	
32 32 53 00-0013 LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set.....	894.25	422.39
For >3:1 Sloped Soil At Top, Add	4.21	
32 32 53 00-0014 LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,112.00	526.85
For >3:1 Sloped Soil At Top, Add	4.96	
32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)		
Note: Stone at \$32.00/ton.		
32 32 53 00-0016 LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set.....	339.22	153.08
For >3:1 Sloped Soil At Top, Add	2.81	
32 32 53 00-0017 LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set.....	402.59	182.12
For >3:1 Sloped Soil At Top, Add	3.26	
32 32 53 00-0018 LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set.....	531.65	241.96
For >3:1 Sloped Soil At Top, Add	4.06	
32 32 53 00-0019 LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set.....	820.93	378.32
For >3:1 Sloped Soil At Top, Add	5.46	
32 32 53 00-0020 LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,069.96	494.89
For >3:1 Sloped Soil At Top, Add	6.81	
32 32 53 00-0021 LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,329.84	616.27
For >3:1 Sloped Soil At Top, Add	8.27	
32 32 53 00-0022 LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set.....	304.07	135.54
For >3:1 Sloped Soil At Top, Add	2.81	
32 32 53 00-0023 LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set.....	359.07	160.36
For >3:1 Sloped Soil At Top, Add	3.26	
32 32 53 00-0024 LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set.....	467.41	209.80
For >3:1 Sloped Soil At Top, Add	4.06	
32 32 53 00-0025 LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set.....	717.52	326.64
For >3:1 Sloped Soil At Top, Add	5.46	
32 32 53 00-0026 LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set.....	924.90	422.39
For >3:1 Sloped Soil At Top, Add	6.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0027 LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,150.90 8.27	526.85
32 32 53 00-0028 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$48.00/ton.		
32 32 53 00-0029 LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	347.47 3.51	153.08
32 32 53 00-0030 LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	413.08 4.15	182.12
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	546.38 5.31	241.96
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	843.32 7.36	378.32
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,100.60 9.42	494.89
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,369.32 11.62	616.27
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	312.32 3.51	135.54
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	369.67 4.16	160.36
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	482.14 5.31	209.80
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	739.91 7.36	326.64
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	955.54 9.42	422.39
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,190.38 11.62	526.85
32 32 53 00-0041 Stone Retaining Walls <small>(32 32 53 00-0001)</small>		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	355.72 4.21	153.08
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	412.02 4.06	182.12
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	562.29 6.66	241.96
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	866.89 9.37	378.32
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,132.43 12.12	494.89
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,409.40 15.03	616.27
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	320.57 4.21	135.54
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	380.28 5.06	160.36
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	498.05 6.66	209.80
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	763.48 9.37	326.64
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	987.37 12.12	422.39
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set <i>For >3:1 Sloped Soil At Top, Add</i>	1,230.46 15.03	526.85
32 35 Screening Devices <small>(32 30)</small>		
32 35 16 Sound Barriers <small>(32 35)</small>		
32 35 16 00-0001 Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns <small>(32 35 16)</small>		
Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)		
32 35 16 00-0002 4" Thick <small>(32 35 16 00-0001)</small>		
32 35 16 00-0003 LF 6' High x 4" Thick Precast Concrete Sound Walls	100.45	18.60
32 35 16 00-0004 LF 7' High x 4" Thick Precast Concrete Sound Walls	108.98	20.76
32 35 16 00-0005 LF 8' High x 4" Thick Precast Concrete Sound Walls	118.64	22.50
32 35 16 00-0006 LF 9' High x 4" Thick Precast Concrete Sound Walls	126.81	24.22
32 35 16 00-0007 LF 10' High x 4" Thick Precast Concrete Sound Walls	134.12	25.95
32 35 16 00-0008 LF 11' High x 4" Thick Precast Concrete Sound Walls	143.92	26.82
32 35 16 00-0009 LF 12' High x 4" Thick Precast Concrete Sound Walls	153.38	28.11
32 35 16 00-0010 6" Thick <small>(32 35 16 00-0001)</small>		
32 35 16 00-0011 LF 6' High x 6" Thick Precast Concrete Sound Walls	119.66	21.63
32 35 16 00-0012 LF 7' High x 6" Thick Precast Concrete Sound Walls	129.81	24.22
32 35 16 00-0013 LF 8' High x 6" Thick Precast Concrete Sound Walls	141.30	26.82

32 Exterior Improvements**32 30 Site Improvements****32 35 Screening Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0014	LF		9' High x 6" Thick Precast Concrete Sound Walls.....	151.01	28.55
32 35 16 00-0015	LF		10' High x 6" Thick Precast Concrete Sound Walls.....	159.72	30.27
32 35 16 00-0016	LF		11' High x 6" Thick Precast Concrete Sound Walls.....	171.43	31.58
32 35 16 00-0017	LF		12' High x 6" Thick Precast Concrete Sound Walls.....	182.74	32.87
32 35 16 00-0018			8" Thick <small>(32 35 16 00-0001)</small>		
32 35 16 00-0019	LF		6' High x 8" Thick Precast Concrete Sound Walls.....	144.07	25.95
32 35 16 00-0020	LF		7' High x 8" Thick Precast Concrete Sound Walls.....	156.23	28.55
32 35 16 00-0021	LF		8' High x 8" Thick Precast Concrete Sound Walls.....	170.08	31.14
32 35 16 00-0022	LF		9' High x 8" Thick Precast Concrete Sound Walls.....	181.73	33.74
32 35 16 00-0023	LF		10' High x 8" Thick Precast Concrete Sound Walls.....	192.21	35.90
32 35 16 00-0024	LF		11' High x 8" Thick Precast Concrete Sound Walls.....	206.39	37.19
32 35 16 00-0025	LF		12' High x 8" Thick Precast Concrete Sound Walls.....	220.07	38.93
32 35 16 00-0026			Redwood Top <small>(32 35 16 00-0001)</small>		
32 35 16 00-0027	LF		2" x 6" Redwood, Construction Grade/Rough.....	3.21	0.79
32 35 16 00-0028	LF		2" x 8" Redwood, Construction Grade/Rough.....	3.75	1.03
32 35 16 00-0029	LF		2" x 10" Redwood, Construction Grade/Rough.....	5.70	1.26
32 35 16 00-0030	LF		2" x 12" Redwood, Construction Grade/Rough.....	6.89	1.58
32 35 16 00-0031	LF		2" x 6" Redwood, Con Heart/Smooth.....	3.90	0.79
32 35 16 00-0032	LF		2" x 8" Redwood, Con Heart/Smooth.....	5.64	1.03
32 35 16 00-0033	LF		2" x 10" Redwood, Con Heart/Smooth.....	7.46	1.26
32 35 16 00-0034	LF		2" x 12" Redwood, Con Heart/Smooth.....	8.97	1.58
32 35 16 00-0035			Precast Concrete Barrier Rails And Posts <small>(32 35 16)</small>		
			Note: Posts are 5' on center. Excludes drilling holes and foundations. See CSI section 32 31 13 00-0001 for drilling holes and foundations.		
32 35 16 00-0036	LF		6' High Concrete Fence And Posts.....	53.85	10.85
			Note: Wood texture rails with posts 5' on centers.		
32 35 16 00-0037	LF		7' High Concrete Fence And Posts.....	61.17	11.40
			Note: Wood texture rails with posts 5' on centers.		
32 35 16 00-0038	LF		8' High Concrete Fence And Posts.....	68.55	11.94
			Note: Wood texture rails with posts 5' on centers.		
32 35 16 00-0039	LF		9' High Concrete Fence And Posts.....	76.71	13.18
			Note: Wood texture rails with posts 5' on centers.		
32 35 16 00-0040	LF		10' High Concrete Fence And Posts.....	84.24	13.73
			Note: Wood texture rails with posts 5' on centers.		
32 39			Manufactured Site Specialties <small>(32 39)</small>		
32 39 13			Manufactured Metal Bollards <small>(32 39)</small>		
32 39 13 00-0001			Metal Pipe Bollards <small>(32 39 13)</small>		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill for post and post holes.		
32 39 13 00-0002			Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated <small>(32 39 13 00-0001)</small>		
32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	34.91	9.36
			For Galvanized Steel, Add	2.75	
			For 304 Stainless Steel, Add	21.87	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	98.84	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	73.94	
			For Schedule 80, Add	4.30	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	44.26	9.36
			For Galvanized Steel, Add	4.34	
			For 304 Stainless Steel, Add	34.49	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	98.84	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	73.94	
			For Schedule 80, Add	5.70	
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	61.28	11.70
			For Galvanized Steel, Add	6.44	
			For 304 Stainless Steel, Add	51.15	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	131.56	
			For Each Sleeve For Removable, Lockable Bollard, Add	113.19	
			For Schedule 80, Add	8.02	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	79.90	14.03
			For Galvanized Steel, Add	8.81	
			For 304 Stainless Steel, Add	69.98	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	150.24	
			For Each Sleeve For Removable, Lockable Bollard, Add	122.20	
			For Schedule 80, Add	10.58	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	101.75	18.71
			For Galvanized Steel, Add	10.94	
			For 304 Stainless Steel, Add	86.86	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	202.68	
			For Each Sleeve For Removable, Lockable Bollard, Add	168.91	
			For Schedule 80, Add	13.39	



Exterior Improvements	32	32
Site Improvements	32 30	
Manufactured Site Specialties	32 39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0008 Cast Bollards <small>(32 39 13 00-0001)</small>		
32 39 13 00-0009 EA 36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	974.83	56.13
32 39 13 00-0010 EA 36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	1,623.50	56.13
32 39 13 00-0011 EA 36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	831.42	56.13
32 39 13 00-0012 EA 36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	1,483.93	56.13
32 39 16 Manufactured Concrete Bollards <small>(32 39)</small>		
32 39 16 00-0001 Concrete Bollards <small>(32 39 16)</small>		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 16 00-0002 Concrete Bollard, Exposed Aggregate <small>(32 39 16 00-0001)</small>		
32 39 16 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Sandblast Note: Surface mounted with anchor bolts embedded into grout pockets.	450.83	74.84
32 39 16 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Sandblast Note: Surface mounted with anchor bolts embedded into grout pockets.	450.83	74.84
32 39 19 Manufactured Wood Bollards <small>(32 39)</small>		
32 39 19 00-0001 Wood Bollards <small>(32 39 19)</small>		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 19 00-0002 Wood Bollard, Pressure Treated Timber <small>(32 39 19 00-0001)</small>		
32 39 19 00-0003 LF 4" x 4", Pressure Treated Wood Bollard <i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	17.70 75.84	7.48
32 39 19 00-0004 LF 6" x 6", Pressure Treated Wood Bollard <i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	20.57 75.84	7.48
32 39 19 00-0005 LF 8" x 8", Pressure Treated Wood Bollard <i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	26.81 117.62	8.42
32 39 19 00-0006 LF 10" x 10", Pressure Treated Wood Bollard <i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	37.99 128.42	11.23
32 39 19 00-0007 LF 12" x 12", Pressure Treated Wood Bollard <i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	52.30 180.95	14.97
32 39 23 Manufactured Plastic Bollards <small>(32 39)</small>		
32 39 23 00-0001 Plastic Bollards <small>(32 39 23)</small>		
See CSI section 32 31 13 00-0001 for augering and filling holes for bollards., 32 31 13 00-0018 for concrete fill.		
32 39 23 00-0002 Recycled Plastic Bollards <small>(32 39 23 00-0001)</small>		
32 39 23 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	197.77	37.41
32 39 23 00-0004 EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	307.22	37.41
32 39 23 00-0005 Plastic Bollard Covers <small>(32 39 23 00-0001)</small>		
32 39 23 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	50.06 5.16	8.77
32 39 23 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	54.34 5.16	9.65
32 39 23 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe <i>For Reflective Tape, Add</i>	66.33 5.16	8.77
32 39 23 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe <i>For Reflective Tape, Add</i>	66.33 5.16	8.77
32 39 23 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe <i>For Reflective Tape, Add</i>	73.92 5.16	8.77
32 39 23 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	66.33 5.16	8.77
32 39 23 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe <i>For Reflective Tape, Add</i>	67.41 5.16	8.77
32 39 23 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	66.33 5.16	8.77
32 39 23 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	67.41 5.16	8.77
32 39 23 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe <i>For Reflective Tape, Add</i>	92.36 5.16	8.77
32 39 23 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	68.08 5.16	9.65
32 39 23 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	85.43 5.16	9.65
32 39 23 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	96.63 5.16	9.65
32 39 23 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	82.85 5.16	10.52

32 Exterior Improvements**32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe..... <i>For Reflective Tape, Add</i>	89.36 5.16	10.52
32 39 23 00-0021	EA		8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe..... <i>For Reflective Tape, Add</i>	89.36 5.16	10.52
32 39 23 00-0022	EA		10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe..... <i>For Reflective Tape, Add</i>	118.65 5.16	10.52
32 39 26 Manufactured Stone Bollards (32 39)					
32 39 26 00-0001			Stone Bollards (32 39 26) See CSI section 32 31 13 00-0001 for augering and filling holes for bollards, 32 31 13 00-0018 for concrete fill.		
32 39 26 00-0002			Granite Bollards (32 39 26 00-0001)		
32 39 26 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	947.01	93.54
32 39 26 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish..... Note: Surface mounted with anchors embedded into grout pockets.	1,201.46	130.96
32 39 26 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top..... Note: Surface mounted with anchors embedded into grout pockets.	593.30	93.54
32 39 26 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	868.14	74.84
32 39 26 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,289.56	74.84
32 80 Irrigation (32)					
32 84 Planting Irrigation (32 80)					
32 84 13 Drip Irrigation (32 84)					
32 84 13 00-0001			Drip Emmitter Irrigation Devices (32 84 13)		
32 84 13 00-0002			Drip Emmitter Irrigation Valves (32 84 13 00-0001)		
32 84 13 00-0003	EA		3/4", Shut-Off Ball Valve For Drip Emmitter Irrigation Systems (Rainbird XBV-075).....	34.31	8.12
32 84 13 00-0004	EA		3/4", Check Valve For Drip Emmitter Irrigation Systems (Rainbird CV075).....	43.63	8.12
32 84 13 00-0005	EA		1", Check Valve For Drip Emmitter Irrigation Systems (Rainbird CV-100).....	46.85	8.12
32 84 13 00-0006	EA		Air/Vacuum Relief Valve For Drip Emmitter Irrigation Systems (Rainbird ARVALVEKIT).....	35.33	8.12
32 84 13 00-0007	EA		3/4", Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rainbird ASV-LF-075).....	61.42	8.12
32 84 13 00-0008	EA		1", Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rainbird LRV100).....	61.18	8.12
32 84 13 00-0009	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rainbird LRV075).....	59.42	8.12
32 84 13 00-0010	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emmitter Irrigation Systems (Rainbird LRV075TBOS).....	88.29	8.12
32 84 13 00-0011			Drip Emmitter Irrigation Filters (32 84 13 00-0001)		
32 84 13 00-0012	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rainbird QKCHK-075).....	122.08	8.12
32 84 13 00-0013	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rainbird QKCHK-100).....	123.24	8.12
32 84 13 00-0014	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems (Rainbird RBY075MPTX).....	45.02	8.12
32 84 13 00-0015	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emmitter Irrigation Systems (Rainbird RBY100MPTX).....	45.95	8.12
32 84 13 00-0016	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emmitter Irrigation Systems (Rainbird PRB-QCHK-100).....	132.94	8.12
32 84 13 00-0017	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems (Rainbird PRF075RBY).....	59.05	8.12
32 84 13 00-0018	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emmitter Irrigation Systems (Rainbird PRF100RBY).....	66.34	8.12
32 84 13 00-0019	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emmitter Irrigation Systems (Rainbird PRF075BFF).....	71.35	8.12
32 84 13 00-0020	EA		1" Inlet/Outlet, Pressure Regulating, Inline Back Flush Filter For Drip Emmitter Irrigation Systems (Rainbird PRF100BFF).....	79.32	8.12
32 84 13 00-0021			Drip Emmitter Irrigation Pressure Regulators (32 84 13 00-0001)		
32 84 13 00-0022	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rainbird PSI-L30X-075).....	44.08	8.12
32 84 13 00-0023	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rainbird PSI-M30X-075).....	44.08	8.12
32 84 13 00-0024	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rainbird PSI-M40X-075).....	44.08	8.12
32 84 13 00-0025	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emmitter Irrigation Systems (Rainbird PSI-M40X-100).....	51.75	8.12
32 84 13 00-0026			Drip Emmitter Irrigation Tubing (32 84 13 00-0001) Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.		
32 84 13 00-0027	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rainbird LDQ0806100).....	2.76	1.14
32 84 13 00-0028	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rainbird XFD0612100).....	2.77	1.30
32 84 13 00-0029	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rainbird XQ100)..... <i>For Shallow Trenching And Backfill By Hand, Add</i>	2.40 4.66	1.14
32 84 13 00-0030	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emmitter Irrigation Systems (Rainbird XT700100)..... <i>For Shallow Trenching And Backfill By Hand, Add</i>	2.77 5.06	1.30



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0031 Drip Emmitter Irrigation Fittings <small>(32 84 13 00-0001)</small>		
32 84 13 00-0032 EA 1/4", Barbed Coupling For Irrigation Tubing (Rainbird XBF1CONN).....	2.19	
32 84 13 00-0033 EA 1/4", Barbed Elbow For Irrigation Tubing (Rainbird XBF2EL).....	2.22	
32 84 13 00-0034 EA 1/4", Barbed Tee For Irrigation Tubing (Rainbird XBF3TEE).....	2.27	
32 84 13 00-0035 EA 1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rainbird SFB025).....	2.54	
32 84 13 00-0036 EA 1/4", Plug For Irrigation Tubing (Rainbird EMAGPX).....	2.16	
32 84 13 00-0037 EA 1/2", Barbed Coupling For Irrigation Tubing (Rainbird XFDCOUP).....	2.61	
<i>For Compression Fitting, Add</i>	0.58	
32 84 13 00-0038 EA 1/2", Barbed Elbow For Irrigation Tubing (Rainbird XFD-ELBOW).....	2.64	
<i>For Compression Fitting, Add</i>	0.61	
32 84 13 00-0039 EA 1/2", Barbed Tee For Irrigation Tubing (Rainbird XFD-TEE).....	2.66	
<i>For Compression Fitting, Add</i>	0.63	
32 84 13 00-0040 EA 1/2", Barbed Male Adapter For Irrigation Tubing (Rainbird XFDMA050).....	2.58	
<i>For Compression Fitting, Add</i>	0.55	
32 84 13 00-0041 EA 1/2", Barbed Cross For Irrigation Tubing (Rainbird XFDCROSS).....	2.69	
<i>For Compression Fitting, Add</i>	0.66	
32 84 13 00-0042 EA 1/2", Plug For Irrigation Tubing (Rainbird MDCFCAP).....	2.91	
32 84 13 00-0043 EA 6" Soil Staple For Irrigation Tubing (Rainbird NFT-LS6).....	1.69	
32 84 13 00-0044 Drip Emitters <small>(32 84 13 00-0001)</small>		
32 84 13 00-0045 EA 0.5 To 2 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rainbird XB20PC).....	4.54	
32 84 13 00-0046 EA 5 To 24 GPH, Single Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rainbird PC24).....	5.68	
32 84 13 00-0047 EA 0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rainbird XB056).....	11.94	
32 84 13 00-0048 Drip Emmitter Irrigation Micro-Bubblers, Sprays And Misters <small>(32 84 13 00-0001)</small>		
32 84 13 00-0049 EA Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems (Rainbird SXB360SPYK).....	17.71	7.32
32 84 13 00-0050 EA Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems (Rainbird XS360TSPYK).....	17.75	7.32
32 84 13 00-0051 EA 12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rainbird XPCNADP12 With XPCN-FUL).....	21.09	7.32
32 84 13 00-0052 EA 24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems Rainbird XPCNADP24 With XPCN-FUL).....	21.31	7.32
32 84 13 00-0053 EA 4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rainbird XP-400X With XPCN-FUL).....	30.73	9.59
<i>Note: Includes nozzle.</i>		
32 84 13 00-0054 EA 6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rainbird XP-600X With XPCN-FUL).....	33.73	9.59
<i>Note: Includes nozzle.</i>		
32 84 13 00-0055 EA 12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rainbird XP1200X With XPCN-FUL).....	36.04	9.59
<i>Note: Includes nozzle.</i>		
32 84 13 00-0056 Subsurface Drip Emmitter Irrigation Tubing (Rainbird XFS) <small>(32 84 13 00-0001)</small>		
<i>Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.</i>		
32 84 13 00-0057 LF 0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rainbird XFS Copper Shield).....	3.14	1.42
32 84 23 Underground Sprinklers <small>(32 84)</small>		
32 84 23 00-0001 Sprinkler Heads <small>(32 84 23)</small>		
32 84 23 00-0002 Spray Sprinkler Heads <small>(32 84 23 00-0001)</small>		
<i>Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.</i>		
32 84 23 00-0003 EA 2" Pop-Up Height, Spray Sprinkler Head (Rainbird 1802P).....	25.79	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0004 EA 3" Pop-Up Height, Spray Sprinkler Head (Rainbird 1803P).....	25.79	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0005 EA 4" Pop-Up Height, Spray Sprinkler Head (Rainbird 1804P).....	25.79	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0006 EA 6" Pop-Up Height, Spray Sprinkler Head (Rainbird 1806P).....	32.35	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0007 EA 12" Pop-Up Height, Spray Sprinkler Head (Rainbird 1812P).....	39.50	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0008 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rainbird 1804-SAM).....	28.09	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0009 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rainbird 1806-SAM).....	37.98	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0010 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rainbird 1812-SAM).....	43.22	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0011 EA 4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rainbird 1804-PRS).....	29.74	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0012 EA 6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rainbird 1806-PRS).....	40.98	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0013 EA 12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rainbird 1812-PRS).....	45.35	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0014 EA 4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 1804-SAM-PRS).....	32.29	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0015 EA 6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 1806-SAM-PRS).....	43.94	8.98
<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0016 EA 12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 1812-SAM-PRS).....	48.18	8.98
<i>For Rotary Nozzle, Add</i>	3.25	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0017	EA		Bubbler Head With Screen, 1/2" NPT (Rainbird 1300)	20.90	8.98
			<i>For Rotary Nozzle, Add</i>	3.25	
32 84 23 00-0018	EA		Pressure Compensating Bubbler With Screen, 1/2" NPT (Rainbird 1400).....	23.47	8.98
32 84 23 00-0019			Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001) Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0020			1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 3504PC).....	37.06	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0022	EA		4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 3504-PC-SAM)	40.71	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0023			3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0024	EA		12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5512).....	74.82	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0025	EA		5" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5505)	56.78	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA		12" Pop-Up Height, 3/4" Inlet, Up To 50' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5512-SAM)	78.13	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027			3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0019) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0028	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5004-PLPC)	37.62	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5006-PLPC)	52.34	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 5012-PLPC)	63.58	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5004-PLPCS)	41.16	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0032	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5006-PLPCS)	54.65	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0033	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5012-PLPCS)	66.39	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0034	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rainbird 5004+PCR)	45.49	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0035	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rainbird 5006+PCR)	59.48	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0036	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rainbird 5012+PCR)	70.77	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0037	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5004+FCR).....	49.44	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0038	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5006+PCSR)	62.29	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0039	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5012+PCSR)	74.54	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
			<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0040	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rainbird 5000S-PLPCS).....	40.04	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0041	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rainbird 5000S+PCR)	45.49	8.98
			<i>For Non-Potable Cover, Add</i>	2.00	



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0042 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0043 EA 4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird F4PC)	69.76	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
For Stainless Steel Riser And High Speed Rotor, Add	40.01	
32 84 23 00-0044 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0045 EA 5" Pop-Up Height, 1" Inlet, Up To 70' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 7005)	98.42	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0046 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0047 EA 5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird 8005)	104.04	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0048 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Heads <small>(32 84 23 00-0019)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0049 EA 3" Pop-Up Height, 1-1/2" Inlet, Up To 96' Spacing, Gear-Drive, Rotary Sprinkler Head (Rainbird I-90)	166.92	8.98
For Non-Potable Cover, Add	2.00	
For Stainless Steel Riser, Add	9.00	
32 84 23 00-0050 Impact-Drive Sprinkler Heads <small>(32 84 23 00-0001)</small> Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0051 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rainbird 2045A-08)	48.51	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0052 EA 1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head With Pressure Regulator (Rainbird 2045A-SAM08)	51.50	8.98
For Non-Potable Cover, Add	2.00	
32 84 23 00-0053 EA 1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rainbird 2045-PJ08)	38.44	8.98
32 84 23 00-0054 EA 1/2" Inlet, Up To 41' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rainbird 25BPJ-FP-ADJ)	67.57	8.98
32 84 23 00-0055 EA 3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rainbird 35A-ADJ-TNT)	107.15	8.98
32 84 23 00-0056 EA 1" Inlet, Up To 65' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rainbird 65PJADJ-TNT)	274.58	8.98
32 84 23 00-0057 Electric Remote Control Irrigation Valves <small>(32 84 23)</small>		
32 84 23 00-0058 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves <small>(32 84 23 00-0057)</small> Note: 5 to 125 PSI.		
32 84 23 00-0059 EA 3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve	108.44	37.42
32 84 23 00-0060 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve	108.44	37.42
32 84 23 00-0061 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve	109.56	37.42
32 84 23 00-0062 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control <small>(32 84 23 00-0057)</small> Note: 5 to 125 PSI.		
32 84 23 00-0063 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control	110.12	37.42
32 84 23 00-0064 EA 1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Angle Valve With Flow Control	111.25	37.42
32 84 23 00-0065 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves <small>(32 84 23 00-0057)</small> Note: 20 to 200 PSI.		
32 84 23 00-0066 EA 1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	198.91	37.42
32 84 23 00-0067 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	237.12	37.42
32 84 23 00-0068 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve	296.69	37.42
32 84 23 00-0069 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator <small>(32 84 23 00-0057)</small> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0070 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	296.41	42.05
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	334.62	42.05
32 84 23 00-0072 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator	394.19	42.05

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0073			20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (32 84 23 00-0057) Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA		1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	339.12	42.05
32 84 23 00-0075	EA		1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	396.43	42.05
32 84 23 00-0076	EA		2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve.....	450.38	42.05
32 84 23 00-0077			5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 15 to 200 PSI operating range pressure.		
32 84 23 00-0078	EA		3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	251.00	37.42
32 84 23 00-0079	EA		1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	271.96	37.42
32 84 23 00-0080	EA		1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	324.78	37.42
32 84 23 00-0081	EA		1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	352.88	37.42
32 84 23 00-0082	EA		2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	422.56	37.42
32 84 23 00-0083	EA		2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve	581.77	45.50
32 84 23 00-0084	EA		3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve.....	658.18	50.51
32 84 23 00-0085			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (32 84 23 00-0057) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0086	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	385.76	42.05
32 84 23 00-0087	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	441.95	42.05
32 84 23 00-0088	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	466.67	42.05
32 84 23 00-0089	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve	531.86	42.05
32 84 23 00-0090			5 To 200 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (32 84 23 00-0057) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0091	EA		3/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	338.10	37.42
32 84 23 00-0092	EA		1", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	359.06	37.42
32 84 23 00-0093	EA		1-1/4", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	411.88	37.42
32 84 23 00-0094	EA		1-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	439.98	37.42
32 84 23 00-0095	EA		2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	509.66	37.42
32 84 23 00-0096	EA		2-1/2", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	668.87	45.50
32 84 23 00-0097	EA		3", 5 To 200 GPM, Brass, Electric Remote Control Irrigation Valve With Pressure Regulator	745.28	50.51
32 84 23 00-0098			5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (32 84 23 00-0057) Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0099	EA		1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	472.86	42.05
32 84 23 00-0100	EA		1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	529.05	42.05
32 84 23 00-0101	EA		1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	553.77	42.05
32 84 23 00-0102	EA		2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator	618.96	42.05
32 84 23 00-0103			Other Electric Remote Control Valves (32 84 23 00-0057)		
32 84 23 00-0104	EA		3/4" TxT Electric Valve, Rainbird 75DV.....	111.04	42.66
32 84 23 00-0105	EA		1" TxT Electric Valve, Rainbird 100DV.....	111.84	42.66
32 84 23 00-0106	EA		1" TxT Electric Angle Valve, Rainbird 100DVA	111.84	42.66
32 84 23 00-0107	EA		1" TxT With Flow Control, Rainbird 100DVF.....	113.44	42.66
32 84 23 00-0108	EA		1" TxT Angle With Flow Control, Rainbird 100DVFA	113.44	42.66
32 84 23 00-0109	EA		1" SxS Electric Valve, Rainbird 100DVSS	111.04	42.66
32 84 23 00-0110	EA		1" SxS With Flow Control, Rainbird 100DVFSS.....	112.64	42.66
32 84 23 00-0111	EA		1" M Barb Electric Valve With Flow, Rainbird 100DVFMB.....	111.84	42.66
32 84 23 00-0112	EA		1" M x M Electric Valve With Flow, Rainbird 100DVFMM	111.84	42.66
32 84 23 00-0113	EA		1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rainbird EFB-CP).....	256.23	
32 84 23 00-0114	EA		1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rainbird EFB-CP)	287.50	
32 84 23 00-0115	EA		2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rainbird EFB-CP).....	337.57	
32 84 23 00-0116	EA		1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rainbird PEB).....	154.58	
32 84 23 00-0117	EA		1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rainbird PEB)	177.04	
32 84 23 00-0118	EA		2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rainbird PEB).....	206.87	
32 84 23 00-0119	EA		1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rainbird PESB).....	180.66	
32 84 23 00-0120	EA		1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rainbird PESB)	207.58	
32 84 23 00-0121	EA		2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rainbird PESB).....	234.80	
32 84 23 00-0122	EA		Pressure Regulating For Valves (Rainbird PRS-Dial)	78.20	
32 84 23 00-0123			Irrigation Valve Boxes (32 84 23) Note: Includes lid.		
32 84 23 00-0124	EA		6" Round Irrigation Valve Box.....	65.60	26.94



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0125 EA 7" Round Irrigation Valve Box.....	77.85	26.94
32 84 23 00-0126 EA 10" Round Irrigation Valve Box.....	102.95	35.48
32 84 23 00-0127 EA 21.8" x 16.6" Rectangular Irrigation Valve Box.....	150.04	51.78
32 84 23 00-0128 EA 26.3" x 19.8" Rectangular Irrigation Valve Box.....	175.19	51.78
32 84 23 00-0129 EA 33.1" x 23.8" Rectangular Irrigation Valve Box.....	269.65	51.78
32 84 23 00-0130 EA 40.3" x 27.1" Rectangular Irrigation Valve Box.....	392.86	51.78
32 84 23 00-0131 Irrigation Controllers <small>(32 84 23)</small> See CSI section 27 14 13 16-0074 for low voltage wiring.		
32 84 23 00-0132 Irrigation Controllers <small>(32 84 23 00-0131)</small>		
32 84 23 00-0133 Two Program, Indoor Mount, Hybrid Irrigation Controllers <small>(32 84 23 00-0132)</small> Note: Station timing: 0 to 99 minutes. Automatic starts: 3 per day per program. Programming schedule: 2, 3 or 5-day fixed cycle or 7-day variable cycle. Includes plastic indoor cabinet.		
32 84 23 00-0134 EA 4-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller.....	203.05	27.33
32 84 23 00-0135 EA 6-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller.....	256.34	27.33
32 84 23 00-0136 EA 8-Station, Two Program, Indoor Mount, Hybrid Irrigation Controller.....	308.93	27.33
32 84 23 00-0137 Three Program, Indoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0132)</small> Note: Station timing: 0 to 6 hours. Automatic starts: 4 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes plastic indoor cabinet.		
32 84 23 00-0138 Three Program, Indoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0137)</small>		
32 84 23 00-0139 EA 4-Station, Three Program, Indoor Mount, Modular Irrigation Controller.....	208.68	27.33
<i>For Outdoor Installations, Add</i>	37.26	
32 84 23 00-0140 EA 7-Station, Three Program, Indoor Mount, Modular Irrigation Controller.....	293.68	27.33
<i>For Outdoor Installations, Add</i>	42.36	
32 84 23 00-0141 EA 10-Station, Three Program, Indoor Mount, Modular Irrigation Controller.....	378.66	27.33
<i>For Outdoor Installations, Add</i>	47.47	
32 84 23 00-0142 EA 13-Station, Three Program, Indoor Mount, Modular Irrigation Controller.....	463.65	27.33
<i>For Outdoor Installations, Add</i>	52.58	
32 84 23 00-0143 Accessories For Three Program Modular Irrigation Controllers <small>(32 84 23 00-0137)</small>		
32 84 23 00-0144 EA 3-Station Expansion Module For Three Program Modular Irrigation Controllers.....	139.64	
Note: Use task for increasing capacity of existing three program modular irrigation controllers up to a maximum of 13-stations.		
32 84 23 00-0145 Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers <small>(32 84 23 00-0132)</small> Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 99 days. Includes powder coated steel wall mount cabinet.		
32 84 23 00-0146 Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controllers <small>(32 84 23 00-0145)</small>		
32 84 23 00-0147 EA 8-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	674.42	27.33
32 84 23 00-0148 EA 12-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	735.90	27.33
32 84 23 00-0149 EA 16-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,138.93	27.33
32 84 23 00-0150 EA 24-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,261.89	27.33
32 84 23 00-0151 EA 28-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,893.08	27.33
32 84 23 00-0152 EA 32-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	1,954.56	27.33
32 84 23 00-0153 EA 36-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	2,512.84	27.33
32 84 23 00-0154 EA 40-Station, Four Program, Indoor/Outdoor Mount, Hybrid Irrigation Controller.....	2,574.32	27.33
32 84 23 00-0155 Accessories For Four Program Hybrid Irrigation Controllers <small>(32 84 23 00-0145)</small>		
32 84 23 00-0156 EA Stainless Steel Pedestal For Four Program Hybrid Irrigation Controllers.....	678.65	
Note: Excludes concrete foundation.		
32 84 23 00-0157 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0132)</small> Note: Station timing: 0 to 12 hours. Automatic starts: 8 per day per program. Independent programming schedule options variable per program: custom day-of-the-week, odd day watering, even day watering and variable day cycle from 1 to 31 days. Includes weather-resistant plastic cabinet.		
32 84 23 00-0158 Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers <small>(32 84 23 00-0157)</small>		
32 84 23 00-0159 EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	417.92	27.33
32 84 23 00-0160 EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	523.95	27.33
32 84 23 00-0161 EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	627.96	27.33
32 84 23 00-0162 EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	733.98	27.33
32 84 23 00-0163 EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	837.99	27.33
32 84 23 00-0164 EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	944.03	27.33
32 84 23 00-0165 EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller.....	1,048.03	27.33
32 84 23 00-0166 Accessories For Four Program Modular Irrigation Controllers <small>(32 84 23 00-0157)</small>		
32 84 23 00-0167 EA Metal Cabinet For Four Program Modular Irrigation Controllers.....	297.82	

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0168 EA Metal Cabinet With Pedestal For Four Program Modular Irrigation Controllers .....702.95 Note: Excludes concrete foundation.	702.95	
32 84 23 00-0169 EA ET Manager, Weather-Based Irrigation Control Module For Four Program Modular Irrigation Controllers.....507.07	507.07	
32 84 23 00-0170 EA Satellite Remote Control Module With RS232 Communication For Four Program Modular Irrigation Controllers.....589.42	589.42	
32 84 23 00-0171 EA Satellite Remote Control Module With Phone And RS232 Communication For Four Program Modular Irrigation Controllers.....626.54	626.54	
32 84 23 00-0172 EA 4-Station Expansion Module For Four Program Modular Irrigation Controllers.....208.50 Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	208.50	
32 84 23 00-0173 EA 8-Station Expansion Module For Four Program Modular Irrigation Controllers.....360.33 Note: Use task for increasing capacity of existing four program modular irrigation controllers up to a maximum of 32-stations.	360.33	
32 84 23 00-0174 Three Program, Battery-Operated, Buriable Irrigation Control Modules (32 84 23 00-0132) Note: Station timing: 1 minute to 12 hours. Automatic starts: 8 per day per program. Dependent programming schedule options: odd day watering, odd-31 day watering, even day watering or 1 to 6 day cycles.		
32 84 23 00-0175 Three Program, Battery-Operated, Buriable Irrigation Control Modules (32 84 23 00-0174)		
32 84 23 00-0176 EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....229.80	229.80	27.33
32 84 23 00-0177 EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....305.05	305.05	27.33
32 84 23 00-0178 EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module.....404.93	404.93	27.33
32 84 23 00-0179 Accessories For Three Program Buriable Irrigation Control Modules (32 84 23 00- 0174)		
32 84 23 00-0180 EA Field Transmitter For Three Program Buriable Irrigation Control Modules.....201.82	201.82	
32 84 23 00-0181 EA Potted Latching Solenoid For Three Program Buriable Irrigation Control Modules.....62.51	62.51	20.50
32 84 23 00-0182 Accessories For Irrigation Controllers (32 84 23 00-0132)		
32 84 23 00-0183 EA Wired Rain Sensor For Irrigation Controllers .....106.99	106.99	20.50
32 84 23 00-0184 EA Automatic Rain Shutoff Sensor For Irrigation Controllers .....136.31 Note: Includes adjustable sensing probes.	136.31	20.50
32 84 23 00-0185 Weather-Based Irrigation Management Systems (32 84 23 00-0131)		
32 84 23 00-0186 ET Manager, Weather-Based Irrigation Management System (32 84 23 00-0185) Note: ET Managers interface with existing irrigation controllers or two-wire decoder systems. The system receives hourly weather data from local weather station broadcasts via an internal antenna.		
32 84 23 00-0187 EA ET Manager, Weather-Based Irrigation Management System.....796.37	796.37	27.33
32 84 23 00-0188 EA 120 Volt AC Transformer For ET Manager, Weather-Based Irrigation Management System.....47.62 Note: External antenna for areas with a weak paging signal.	47.62	13.66
32 84 23 00-0189 EA Tipping Rain Gauge For ET Manager, Weather-Based Irrigation Management System.....221.03	221.03	27.33
32 84 23 00-0190 EA Remote Antenna Kit For ET Manager, Weather-Based Irrigation Management System.....248.03 Note: External antenna for areas with a weak paging signal.	248.03	30.74
32 84 23 00-0191 EA Outdoor Enclosure For ET Manager, Weather-Based Irrigation Management System.....245.47	245.47	20.50
32 84 23 00-0192 Two-Wire Decoder Systems (32 84 23 00-0131)		
32 84 23 00-0193 Controllers For Two-Wire Decoder Systems (32 84 23 00-0192)		
32 84 23 00-0194 EA 50-Station, Modular Controller For Two-Wire Decoder Systems .....2,029.48 Note: Expandable up to 200-stations with expansion modules. Includes water resistant cabinet.	2,029.48	27.33
32 84 23 00-0195 Field Decoders For Two-Wire Decoder Systems (32 84 23 00-0192)		
32 84 23 00-0196 EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System.....163.41	163.41	27.33
32 84 23 00-0197 EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System .....205.76	205.76	27.33
32 84 23 00-0198 EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System .....301.06	301.06	27.33
32 84 23 00-0199 EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System.....356.18	356.18	27.33
32 84 23 00-0200 EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System .....569.75	569.75	27.33
32 84 23 00-0201 Accessories For Two-Wire Decoder Systems (32 84 23 00-0192)		
32 84 23 00-0202 EA 50-Station, Expansion Module For Two-Wire Decoder Controllers.....975.99 Note: Use task for increasing capacity of existing two-wire decoder system controllers up to a maximum of 200- stations.	975.99	
32 84 23 00-0203 EA Line Surge Protection For Two-Wire Decoder Systems.....124.85	124.85	23.91
32 84 23 00-0204 EA Sensor Decoder Interface For Two-Wire Decoder Systems .....481.36	481.36	27.33
32 84 23 00-0205 Calsense Controllers (32 84 23 00-0131)		
32 84 23 00-0206 Irrigation Controllers (32 84 23 00-0205)		
32 84 23 00-0207 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....1,442.35	1,442.35	68.32
32 84 23 00-0208 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....1,854.18	1,854.18	76.85
32 84 23 00-0209 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....2,533.22	2,533.22	85.39
32 84 23 00-0210 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....2,782.21	2,782.21	85.39
32 84 23 00-0211 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....3,285.14	3,285.14	93.93
32 84 23 00-0212 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....3,953.18	3,953.18	93.93



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0213	EA		40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	4,474.33	102.47
32 84 23 00-0214	EA		48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	5,002.69	102.47
32 84 23 00-0215	EA		Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	1,448.57	34.16
32 84 23 00-0216	EA		Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	620.42	34.16
32 84 23 00-0217			Irrigation Controller Accessories (32 84 23 00-0205)		
32 84 23 00-0218	EA		Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	58.30	
32 84 23 00-0219	EA		Spare Lock For Enclosures (Calsense PAD).....	63.16	
32 84 23 00-0220	EA		Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	80.23	8.54
32 84 23 00-0221	EA		Transformer For Irrigation Controllers (Calsense TR-1).....	129.05	34.16
32 84 23 00-0222	EA		AC Line Protection For Irrigation Controllers (Calsense TP-110).....	317.32	34.16
32 84 23 00-0223	EA		Transient Protection Board For Irrigation Controller Stations (Calsense TP-1).....	414.49	34.16
			<i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	337.60	
32 84 23 00-0224			Sensors For Irrigation Controllers (32 84 23 00-0205)		
32 84 23 00-0225			Flow Sensors (32 84 23 00-0224)		
32 84 23 00-0226	EA		1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5).....	721.93	51.23
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-358.61	
32 84 23 00-0227	EA		2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2).....	746.22	51.23
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-382.90	
32 84 23 00-0228	EA		3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3).....	770.51	51.23
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-407.19	
32 84 23 00-0229	EA		1" Brass Tee Mounted Flow Meter (Calsense FM 1B).....	859.33	68.32
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-495.80	
32 84 23 00-0230	EA		1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B).....	920.06	68.32
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-556.53	
32 84 23 00-0231	EA		1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B).....	944.35	68.32
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-580.82	
32 84 23 00-0232	EA		2" Brass Tee Mounted Flow Meter (Calsense FM 2B).....	1,102.25	68.32
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-610.44	
32 84 23 00-0233	EA		2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX).....	845.68	34.16
			<i>Note: For 4" and larger pipe. Excludes pipe saddle.</i>		
			<i>For Flow Meter Replacement Insert Only, Deduct</i>	-353.86	
32 84 23 00-0234			Moisture Sensors (32 84 23 00-0224)		
32 84 23 00-0235	EA		Soil Moisture Sensor (Calsense 1000-S).....	306.30	25.62
32 84 23 00-0236			Weather Sensors (32 84 23 00-0224)		
32 84 23 00-0237	EA		Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	835.04	68.32
32 84 23 00-0238	EA		Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	995.95	136.63
32 84 23 00-0239	EA		ET Gage, Irrigation Weather Sensor (Calsense ETG).....	1,875.04	102.47
32 84 23 00-0240			Weather Sensor Accessories (32 84 23 00-0224)		
32 84 23 00-0241	EA		Replacement Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	554.17	
32 84 23 00-0242	EA		Replacement Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,027.87	
32 84 23 00-0243	EA		Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	554.17	34.16
32 84 23 00-0244	EA		Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	1,242.71	34.16
32 84 23 00-0245			Antennas For Irrigation Controllers (32 84 23 00-0205)		
			<i>Note: Excludes antenna cable.</i>		
32 84 23 00-0246	EA		Local Radio Dome Antenna (Calsense LR-DOME).....	299.10	34.16
32 84 23 00-0247	EA		Local Radio Stick Antenna (Calsense LR-STICK).....	426.63	34.16
32 84 23 00-0248	EA		Local Radio Yagi Antenna (Calsense LR-YAGI).....	494.94	68.32
32 84 23 00-0249	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	299.10	34.16
32 84 23 00-0250	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	299.10	34.16
32 84 23 00-0251	EA		GPRS Stubby Antenna (Calsense GR-STUBBY).....	299.10	34.16
32 84 23 00-0252	EA		GPRS Stick Antenna (Calsense GR-STICK).....	426.63	34.16
32 84 23 00-0253	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME).....	299.10	34.16
32 84 23 00-0254	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK).....	426.63	34.16
32 84 23 00-0255	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	494.94	68.32
32 84 23 00-0256	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	299.10	34.16
32 84 23 00-0257	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	299.10	34.16
32 84 23 00-0258	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	299.10	34.16
32 84 23 00-0259	EA		WiFi Stubby Antenna (Calsense WEN-STUBBY).....	299.10	34.16
32 84 23 00-0260	LF		Antenna Cable With End Connectors (Calsense LMR-400-DB).....	7.86	0.41
32 84 23 00-0261	EA		Surge Protection Device For Antenna (Calsense ANT-PROT).....	289.23	17.07
32 84 23 00-0262	EA		5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	475.22	34.16
32 84 23 00-0263	EA		3' Antenna Stand Off Mount For 3' Maximum Tower Leg (Calsense ANT-SOM).....	394.75	
32 84 23 00-0264	EA		Local Radio Frequency Filter (Calsense LR-FILTER).....	558.73	
32 84 23 00-0265	EA		Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	412.97	
32 84 23 00-0266			Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0205)		
32 84 23 00-0267	EA		15 Amp, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	284.66	51.23

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0268 EA Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	667.67	85.39
32 84 23 00-0269 EA Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)	706.00	34.16
Note: Includes GFI and receptacle.		
32 84 23 00-0270 EA Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)	834.66	25.62
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0271 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE).....	2,584.54	25.62
Note: Includes factory installed transient protection board and AC line protection.		
32 84 23 00-0272 EA Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R).....	2,917.73	25.62
Note: Includes factory installed transient protection board, AC line protection and dome antenna.		
32 84 23 00-0273 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)	4,241.56	51.23
Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.		
32 84 23 00-0274 EA Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)	4,444.46	51.23
Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.		
32 84 23 00-0275 EA Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	149.57	
32 84 23 00-0276 EA Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	482.42	
32 84 23 00-0277 Central Computer For Irrigation Control Systems (32 84 23 00-0205)		
32 84 23 00-0278 EA Central Computer For Irrigation Control Systems (Calsense COMP-2).....	3,259.46	
Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.		
32 84 23 00-0279 EA Command Center Water Management Software For Central Computer (Calsense COMM-1).....	5,754.95	
32 84 23 00-0280 EA Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5).....	1,110.76	
Note: Package price for up to 5 users. Includes remote communication through internet connection.		
32 84 23 00-0281 EA >5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)	2,173.69	
Note: Package price for 6 to 10 users. Includes remote communication through internet connection.		
32 84 23 00-0282 EA Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	3,495.30	
32 84 23 00-0283 EA GPRS Radio For Use At Central Computer (Calsense DTR-G).....	2,086.94	
32 84 23 00-0284 Data Access Service (32 84 23 00-0205)		
32 84 23 00-0285 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)	17.67	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0286 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)	193.24	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0287 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)	828.15	
Note: For communication between GPRS unit and up to 2 controllers.		
32 84 23 00-0288 EA 1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)	71.77	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0289 EA 1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)	772.94	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0290 EA 5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)	3,312.60	
Note: For communication between GPRS unit and multiple controllers.		
32 84 23 00-0291 Communication Options For Irrigation Controllers (32 84 23 00-0205)		
32 84 23 00-0292 EA FCC License Fee (Calsense).....	128.02	
32 84 23 00-0293 EA P.C.I.A. And/Or A.P.C.O. Fee (Calsense).....	238.44	
Note: Per frequency or frequency pair.		
32 84 23 00-0294 EA Hardware Communication Option For Irrigation Controllers (Calsense M)	640.44	
Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.		
32 84 23 00-0295 EA Phone Line Communication Option For Irrigation Controllers (Calsense R)	673.56	
32 84 23 00-0296 EA Ethernet Communication Option For Irrigation Controllers (Calsense EN)	673.56	
32 84 23 00-0297 EA WiFi Communication Option For Irrigation Controllers (Calsense WEN)	1,380.25	
32 84 23 00-0298 EA Local Radio Communication Option For Irrigation Controllers (Calsense LR)	1,755.68	
32 84 23 00-0299 EA Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	1,755.68	
32 84 23 00-0300 EA GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	1,755.68	
32 84 23 00-0301 EA Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	5,631.42	
32 84 23 00-0302 EA Communication Hub For Irrigation Controllers (Calsense HUB)	2,179.07	
Note: Accepts up to two communication options. Excludes communication options.		
32 84 23 00-0303 Retrofit Options For Irrigation Controllers (32 84 23 00-0205)		
32 84 23 00-0304 Weather Retrofits For Irrigation Controllers (32 84 23 00-0303)		
32 84 23 00-0305 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	879.91	
32 84 23 00-0306 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	879.91	
32 84 23 00-0307 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	879.91	
32 84 23 00-0308 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	879.91	
32 84 23 00-0309 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0303)		
32 84 23 00-0310 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	924.08	
32 84 23 00-0311 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	1,089.70	
32 84 23 00-0312 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	1,735.66	
32 84 23 00-0313 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0303)		



		Exterior Improvements	32
		Irrigation	32 80
		Planting Irrigation	32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0314 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO).....	1,034.50	
32 84 23 00-0315 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	2,160.78	
32 84 23 00-0316 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO).....	2,801.22	
32 84 23 00-0317 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers <i>(32 84 23 00-0303)</i>		
32 84 23 00-0318 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	1,034.50	
32 84 23 00-0319 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO).....	2,160.78	
32 84 23 00-0320 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO).....	2,801.22	
32 84 23 00-0321 Ethernet Communication Retrofits For Irrigation Controllers <i>(32 84 23 00-0303)</i>		
32 84 23 00-0322 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	1,034.50	
32 84 23 00-0323 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	1,089.70	
32 84 23 00-0324 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO).....	1,735.66	
32 84 23 00-0325 GPRS Radio Modem Communication Retrofits For Irrigation Controllers <i>(32 84 23 00-0303)</i>		
32 84 23 00-0326 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	1,034.50	
32 84 23 00-0327 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO).....	2,160.78	
32 84 23 00-0328 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO).....	2,801.22	
32 84 23 00-0329 Radio Remote Units For Irrigation Controllers <i>(32 84 23 00-0205)</i>		
32 84 23 00-0330 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN).....	1,040.02	
32 84 23 00-0331 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	218.63	
32 84 23 00-0332 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG).....	93.86	
32 84 23 00-0333 EA Replacement Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT).....	171.66	
32 84 23 00-0334 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT)..... Note: Excludes antenna cable.	110.93	8.54
32 84 23 00-0335 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP)..... Note: Excludes antenna cable.	210.31	8.54
32 84 23 00-0336 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome)..... Note: Excludes antenna cable.	226.87	8.54
32 84 23 00-0337 Satellite Irrigation Controllers (Rainbird ESP-SAT) <i>(32 84 23 00-0131)</i> Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0338 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP12SATLS).....	2,483.91	153.71
32 84 23 00-0339 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP24SATLS).....	2,619.60	162.25
32 84 23 00-0340 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rainbird RBESP40SATLS).....	3,606.66	170.78
32 84 23 00-0341 Irrigation Valves <i>(32 84 23)</i>		
32 84 23 00-0342 Reduced Pressure Zone Assemblies With QT Shut-Offs <i>(32 84 23 00-0341)</i> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0343 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	397.34	30.89
32 84 23 00-0344 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	472.35	37.72
32 84 23 00-0345 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	702.79	43.90
32 84 23 00-0346 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	746.12	50.40
32 84 23 00-0347 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	899.42	65.04
32 84 23 00-0348 Brass Quick-Coupling Irrigation Valves <i>(32 84 23 00-0341)</i>		
32 84 23 00-0349 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 3RC)..... For Valve Key, Add	131.80 39.85	26.94
32 84 23 00-0350 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 33DRC)..... For Locking Cover, Add For Valve Key, Add	141.91 25.00 39.85	26.94
32 84 23 00-0351 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 44RC)..... For Valve Key, Add	190.24 87.87	26.94
32 84 23 00-0352 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rainbird® 44LRC)..... For Locking Cover, Add For Valve Key, Add	216.09 25.00 87.87	26.94
32 84 23 00-0353 Anti-Siphon Pressure Type Vacuum Breaker <i>(32 84 23 00-0341)</i> Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		

32 Exterior Improvements**32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0354	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker	133.44	22.76
32 84 23 00-0355	EA		1" Anti-Siphon Pressure Type Vacuum Breaker	185.32	26.02
32 84 23 00-0356	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker	321.75	30.08
32 84 23 00-0357	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker	390.64	33.33
32 84 23 00-0358	EA		2" Anti-Siphon Pressure Type Vacuum Breaker	399.49	40.64
32 84 23 00-0359 Irrigation Piping ^(32 84 23)					
32 84 23 00-0360	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	2.12	0.94
			<i>For >1,000, Deduct</i>	-0.11	
32 84 23 00-0361	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	2.55	1.12
			<i>For >1,000, Deduct</i>	-0.13	
32 84 23 00-0362	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	3.53	1.42
			<i>For >1,000, Deduct</i>	-0.18	
32 84 23 00-0363	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	4.52	1.78
			<i>For >1,000, Deduct</i>	-0.23	
32 84 23 00-0364	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings	5.68	2.09
			<i>For >1,000, Deduct</i>	-0.28	
32 84 23 00-0365	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	1.78	0.75
			<i>For >1,000, Deduct</i>	-0.09	
32 84 23 00-0366	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	2.23	0.94
			<i>For >1,000, Deduct</i>	-0.11	
32 84 23 00-0367	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings	2.73	1.12
			<i>For >1,000, Deduct</i>	-0.14	
32 84 23 00-0368	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	3.66	1.42
			<i>For >1,000, Deduct</i>	-0.18	
32 84 23 00-0369	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	4.63	1.78
			<i>For >1,000, Deduct</i>	-0.23	
32 84 23 00-0370	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	5.84	2.09
			<i>For >1,000, Deduct</i>	-0.29	
32 84 23 00-0371	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings.....	8.15	2.99
			<i>For >1,000, Deduct</i>	-0.41	
32 84 23 00-0372	LF		1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	1.86	0.75
			<i>For >1,000, Deduct</i>	-0.09	
32 84 23 00-0373	LF		3/4" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	2.33	0.94
			<i>For >1,000, Deduct</i>	-0.12	
32 84 23 00-0374	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	2.89	1.12
			<i>For >1,000, Deduct</i>	-0.14	
32 84 23 00-0375	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	3.98	1.42
			<i>For >1,000, Deduct</i>	-0.20	
32 84 23 00-0376	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	5.17	1.78
			<i>For >1,000, Deduct</i>	-0.26	
32 84 23 00-0377	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	6.53	2.09
			<i>For >1,000, Deduct</i>	-0.33	
32 84 23 00-0378	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe With Fittings.....	9.13	2.99
			<i>For >1,000, Deduct</i>	-0.46	
32 84 23 00-0379	LF		1/2" Poly Pipe, 100 PSI, Non NSF.....	1.36	0.81
			<i>For >1,000, Deduct</i>	-0.07	
32 84 23 00-0380	LF		3/4" Poly Pipe, 100 PSI, Non NSF.....	1.43	0.85
			<i>For >1,000, Deduct</i>	-0.07	
32 84 23 00-0381	LF		1" Poly Pipe, 100 PSI, Non NSF	1.72	0.99
			<i>For >1,000, Deduct</i>	-0.09	
32 84 23 00-0382	LF		1-1/4" Poly Pipe, 100 PSI, Non NSF.....	2.07	1.15
			<i>For >1,000, Deduct</i>	-0.10	
32 84 23 00-0383	LF		1-1/2" Poly Pipe, 100 PSI, Non NSF.....	2.40	1.30
			<i>For >1,000, Deduct</i>	-0.12	
32 84 23 00-0384	LF		2" Poly Pipe, 100 PSI, Non NSF	3.12	1.60
			<i>For >1,000, Deduct</i>	-0.16	
32 84 23 00-0385	LF		3/4" Poly Pipe, 80 PSI, NSF.....	1.94	0.85
			<i>For >1,000, Deduct</i>	-0.10	
32 84 23 00-0386	LF		1" Poly Pipe, 80 PSI, NSF.....	2.34	0.99
			<i>For >1,000, Deduct</i>	-0.12	
32 84 23 00-0387	LF		1-1/4" Poly Pipe, 80 PSI, NSF	2.96	1.15
			<i>For >1,000, Deduct</i>	-0.15	
32 84 23 00-0388	LF		1-1/2" Poly Pipe, 80 PSI, NSF	3.50	1.30
			<i>For >1,000, Deduct</i>	-0.18	
32 84 23 00-0389	LF		2" Poly Pipe, 80 PSI, NSF.....	4.75	1.60
			<i>For >1,000, Deduct</i>	-0.24	
32 84 23 00-0390	LF		3/4" Poly Pipe, 100 PSI, NSF, High Density	1.46	0.85
			<i>For >1,000, Deduct</i>	-0.07	
32 84 23 00-0391	LF		1" Poly Pipe, 100 PSI, NSF, High Density	1.75	0.99
			<i>For >1,000, Deduct</i>	-0.09	
32 84 23 00-0392	LF		1-1/4" Poly Pipe, 100 PSI, NSF, High Density	2.13	1.15
			<i>For >1,000, Deduct</i>	-0.11	
32 84 23 00-0393	LF		1-1/2" Poly Pipe, 100 PSI, NSF, High Density	2.50	1.30
			<i>For >1,000, Deduct</i>	-0.13	
32 84 23 00-0394	LF		2" Poly Pipe, 100 PSI, NSF, High Density	3.26	1.60
			<i>For >1,000, Deduct</i>	-0.16	
32 84 23 00-0395	LF		2-1/2" Poly Pipe, 100 PSI, NSF, High Density	4.35	1.87
			<i>For >1,000, Deduct</i>	-0.22	
32 84 23 00-0396	LF		3" Poly Pipe, 100 PSI, NSF, High Density	4.74	2.05
			<i>For >1,000, Deduct</i>	-0.24	



Exterior Improvements		32
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0397	Irrigation Swing Joints <small>(32 84 23)</small>	
32 84 23 00-0398 EA 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ12075)	50.50	16.63
32 84 23 00-0399 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ12)	62.05	20.77
32 84 23 00-0400 EA 1" Male NPT, 18" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ18)	77.25	20.77
32 84 23 00-0401 EA 1-1/2" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rainbird TSJ12150)	94.77	30.12
32 84 23 00-0402 EA 3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 45 PSI Pressure Regulator (Rainbird TSJ075PRS)	64.79	16.63
32 84 23 00-0403 EA 1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rainbird TSJ100PRS)	76.24	20.77
32 84 23 00-0404 EA 1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type I	40.45	19.71
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0405 EA 3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type I	53.73	26.16
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0406 EA 1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type I	66.60	32.07
Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0407 EA 1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type II	43.67	19.71
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0408 EA 3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type II	57.72	26.16
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0409 EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type II	70.60	32.07
Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0410 EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type III	24.69	12.07
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0411 EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type III	32.96	16.10
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0412 EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, Type III	41.30	19.95
Note: Consists of two street 90 degree elbows.		
32 84 23 00-0413	Irrigation Control Wire <small>(32 84 23)</small>	
Note: Excludes excavation and backfill.		
32 84 23 00-0414	18 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0413)</small>	
32 84 23 00-0415 CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	32.67	11.22
32 84 23 00-0416 CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	42.10	13.09
32 84 23 00-0417 CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	48.40	14.97
32 84 23 00-0418 CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	55.26	16.84
32 84 23 00-0419 CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	62.69	18.71
32 84 23 00-0420 CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	74.11	20.58
32 84 23 00-0421 CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	85.08	22.45
32 84 23 00-0422 CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	92.41	24.33
32 84 23 00-0423 CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	101.24	26.19
32 84 23 00-0424 CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	111.24	28.06
32 84 23 00-0425 CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	115.54	29.94
32 84 23 00-0426 CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	120.41	31.81
32 84 23 00-0427 CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	127.11	33.67
32 84 23 00-0428	16 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0413)</small>	
32 84 23 00-0429 CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	34.18	11.22
32 84 23 00-0430	14 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0413)</small>	
32 84 23 00-0431 CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	34.19	11.22
32 84 23 00-0432	12 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0413)</small>	
32 84 23 00-0433 CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	44.18	11.22
32 84 23 00-0434	10 AWG, Irrigation Control Wire, Buried In Trench <small>(32 84 23 00-0413)</small>	
32 84 23 00-0435 CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	56.83	11.22
32 84 23 00-0436	Root Watering Systems <small>(32 84 23)</small>	
Note: Includes swing assembly.		
32 84 23 00-0437 EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-1401)	62.75	14.97
<i>For Root Watering Sand Sock, Add</i>		
32 84 23 00-0438 EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1401)	67.30	14.97
<i>For Root Watering Sand Sock, Add</i>		
32 84 23 00-0439 EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-1402)	62.75	14.97
<i>For Root Watering Sand Sock, Add</i>		
32 84 23 00-0440 EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1402)	67.30	14.97
<i>For Root Watering Sand Sock, Add</i>		
32 84 23 00-0441 EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS- B-C-1404)	67.30	14.97
<i>For Root Watering Sand Sock, Add</i>		

32 Exterior Improvements

32 80 Irrigation

32 84 Planting Irrigation



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84	23 00-0442	EA	2 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-B-C-1408).....	67.30	14.97
			<i>For Root Watering Sand Sock, Add</i>	3.87	
32 84	23 00-0443	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-1401).....	54.48	13.09
			<i>For Root Watering Sand Sock, Add</i>	3.50	
32 84	23 00-0444	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-C-1401).....	58.86	13.09
			<i>For Root Watering Sand Sock, Add</i>	3.50	
32 84	23 00-0445	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-1402).....	54.48	13.09
			<i>For Root Watering Sand Sock, Add</i>	3.50	
32 84	23 00-0446	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-M-B-C-1402).....	58.86	13.09
			<i>For Root Watering Sand Sock, Add</i>	3.50	
32 84	23 00-0447	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-S-B-1401).....	37.50	11.22
			<i>For Root Watering Sand Sock, Add</i>	3.13	
32 84	23 00-0448	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rainbird RWS-S-B-C-1401).....	41.67	11.22
			<i>For Root Watering Sand Sock, Add</i>	3.13	

32 90 Planting ⁽³²⁾

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation ^(32 90)

32 91 13 Soil Preparation ^(32 91)

32 91 13 16 Mulching ^(32 91 13)

32 91 13 16-0001 Mulch ^(32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.

32 91	13 16-0002	CY	Pine Bark Nugget Mulch.....	78.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.57	
			<i>For >20 To 50, Deduct</i>	-9.23	
			<i>For >50, Deduct</i>	-14.56	
32 91	13 16-0003	CY	Hardwood Bark Nugget Mulch.....	77.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.52	
			<i>For >20 To 50, Deduct</i>	-9.18	
			<i>For >50, Deduct</i>	-14.51	
32 91	13 16-0004	CY	Pine Wood Chip Mulch.....	75.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.42	
			<i>For >20 To 50, Deduct</i>	-9.08	
			<i>For >50, Deduct</i>	-14.41	
32 91	13 16-0005	CY	Hardwood Chip Mulch.....	81.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.72	
			<i>For >20 To 50, Deduct</i>	-9.38	
			<i>For >50, Deduct</i>	-14.71	
32 91	13 16-0006	CY	Shredded Hardwood Mulch.....	79.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.62	
			<i>For >20 To 50, Deduct</i>	-9.28	
			<i>For >50, Deduct</i>	-14.61	
32 91	13 16-0007	CY	Shredded Pine Mulch.....	70.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.17	
			<i>For >20 To 50, Deduct</i>	-8.83	
			<i>For >50, Deduct</i>	-14.16	
32 91	13 16-0008	CY	Shredded Cedar Mulch.....	89.73	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-7.15	
			<i>For >20 To 50, Deduct</i>	-9.81	
			<i>For >50, Deduct</i>	-15.13	
32 91	13 16-0009	CY	Shredded Cypress Mulch.....	88.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-7.07	
			<i>For >20 To 50, Deduct</i>	-9.73	
			<i>For >50, Deduct</i>	-15.06	
32 91	13 16-0010	CY	Shredded Redwood Mulch.....	92.23	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-7.27	
			<i>For >20 To 50, Deduct</i>	-9.93	
			<i>For >50, Deduct</i>	-15.26	
32 91	13 16-0011	CY	Pea Gravel Mulch.....	76.07	
			<i>For Work On Slopes >2.5:1, Add</i>	10.65	
			<i>For >5 To 20, Deduct</i>	-6.47	
			<i>For >20 To 50, Deduct</i>	-9.13	
			<i>For >50, Deduct</i>	-14.45	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0012 CY Chunk Recycled Tire Mulch.....	137.96	
For Work On Slopes >2.5:1, Add	13.59	
For >5 To 20, Deduct	-10.30	
For >20 To 50, Deduct	-13.69	
For >50, Deduct	-20.49	
32 91 13 16-0013 CY Chunk Colored Recycled Tire Mulch	206.96	
For Work On Slopes >2.5:1, Add	13.59	
For >5 To 20, Deduct	-13.75	
For >20 To 50, Deduct	-17.14	
For >50, Deduct	-23.94	
32 91 13 16-0014 CY Shredded Recycled Tire Mulch.....	207.96	
For Work On Slopes >2.5:1, Add	13.59	
For >5 To 20, Deduct	-13.80	
For >20 To 50, Deduct	-17.19	
For >50, Deduct	-23.99	
32 91 13 16-0015 CY Shredded Colored Recycled Tire Mulch	345.96	
For Work On Slopes >2.5:1, Add	13.59	
For >5 To 20, Deduct	-20.70	
For >20 To 50, Deduct	-24.09	
For >50, Deduct	-30.89	
32 91 13 16-0016 EA Pine Straw Mulch Bale.....	6.56	
Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.		
For Work On Slopes >2.5:1, Add	0.61	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.64	
For >500, Deduct	-0.81	
32 91 13 16-0017 EA Wheat Straw Mulch Bale.....	6.40	
Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.		
For Work On Slopes >2.5:1, Add	0.46	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-0.75	
32 91 13 16-0018 CY Stone/Gravel Mulch, Marble Chips	172.23	
For Work On Slopes >2.5:1, Add	10.65	
For >5 To 20, Deduct	-11.27	
For >20 To 50, Deduct	-13.93	
For >50, Deduct	-19.26	
32 91 13 16-0019 CY Stone Mulch, Decomposed Granite Chips.....	99.24	
For Work On Slopes >2.5:1, Add	10.65	

32 91 13 26 Planting Beds (32 91 13)

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001	Plant Bed Preparation <small>(32 91 13 26)</small>	
	Note: Not for use when installing trees and shrubs.	
32 91 13 26-0002 SF	Prepare Plant Bed, Up To 8" Deep By Machine	0.82
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >2.5:1, Add	0.16
32 91 13 26-0003 SF	Prepare Plant Bed, 9" To 13" Deep By Machine.....	0.94
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >2.5:1, Add	0.19
32 91 13 26-0004 SF	Prepare Plant Bed, 14" To 18" Deep By Machine.....	1.11
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >2.5:1, Add	0.22
32 91 13 26-0005 SF	Prepare Plant Bed By Hand, Up To 8" Deep	3.95
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >2.5:1, Add	0.79
32 91 13 26-0006 SF	Prepare Plant Bed By Hand, 9" To 13" Deep.....	4.53
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >2.5:1, Add	0.91
32 91 13 26-0007 SF	Prepare Plant Bed By Hand, 14" To 18" Deep.....	5.34
	Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	
	For Work On Slopes >2.5:1, Add	1.07
32 91 13 26-0008	Planting Pit Preparation <small>(32 91 13 26)</small>	
	Note: Not for use when installing trees and shrubs.	
32 91 13 26-0009 CY	Excavate Planting Pit By Hand, Sandy Soil	68.32
	Note: For use with existing planting pits.	
	For Work On Slopes >2.5:1, Add	13.66
32 91 13 26-0010 CY	Excavate Planting Pit By Hand, Heavy Soil	136.63
	Note: For use with existing planting pits.	
	For Work On Slopes >2.5:1, Add	27.33
32 91 13 26-0011 CY	Excavate Planting Pit By Machine, Sandy Soil	9.63
	Note: For use with existing planting pits.	
	For Work On Slopes >2.5:1, Add	1.93

32 Exterior Improvements**32 90 Planting****32 91 Planting Preparation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0012 CY Excavate Planting Pit By Machine, Heavy Soil	12.53	
Note: For use with existing planting pits.		
For Work On Slopes >2.5:1, Add	2.51	
32 91 13 26-0013 CY Backfill Planting Pit By Hand With Topsoil From Stockpile	60.70	
For Work On Slopes >2.5:1, Add	12.14	
32 91 13 26-0014 CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix.....	68.00	
For Work On Slopes >2.5:1, Add	9.12	
32 91 13 26-0015 CY Backfill Planting Pit By Machine, With Topsoil From Stockpile	5.56	
For Work On Slopes >2.5:1, Add	1.11	
32 91 13 26-0016 CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	27.06	
For Work On Slopes >2.5:1, Add	0.93	
32 91 13 26-0017 Weed Barrier (32 91 13 26)		
32 91 13 26-0018 SY Up To 3 Oz/SY Non Woven, Polypropylene Weed Barrier	1.37	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 26-0019 SY 4 Oz/SY Woven, Polypropylene Weed Barrier.....	1.80	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 26-0020 SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	1.99	
For Work On Slopes >2.5:1, Add	0.11	
32 91 13 33 Soil Conditioners (32 91 13)		
32 91 13 33-0001 Spread Soil Conditioners (32 91 13 33)		
32 91 13 33-0002 SY Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.41	
32 91 13 33-0003 MSF Aluminum Sulfate 1 LB/SY, Tractor Spreader.....	39.58	
32 91 13 33-0004 SY Fertilizer, 0.2 LB/SY, Push Spreader	0.05	
32 91 13 33-0005 MSF Fertilizer, 0.2 LB/SY, Tractor Spread	7.25	
32 91 13 33-0006 MSF Fertilizer, 18.36 LB/MSF, Truck Spread.....	3.73	
32 91 13 33-0007 SY Pelletized Lime, 1 LB/SY, Push Spreader.....	0.09	
32 91 13 33-0008 MSF Pelletized Lime, 1 LB/SY, Tractor Spreader	7.15	
32 91 13 33-0009 SY Lusoil, 3 LB/SY, Push Spreader.....	0.67	
32 91 13 33-0010 MSF Lusoil, 3 LB/SY, Tractor Spreader	69.37	
32 91 13 33-0011 SY Manure, 18 LB/SY, Push Spreader.....	2.34	
32 91 13 33-0012 MSF Manure, 18 LB/SY, Tractor Spreader.....	255.14	
32 91 13 33-0013 SY Perlite, 1" Deep, Push Spreader	3.63	
32 91 13 33-0014 MSF Perlite, 1" Deep, Tractor Spreader.....	377.82	
32 91 13 33-0015 SY Vermiculite, Push Spreader	3.37	
32 91 13 33-0016 MSF Vermiculite, Tractor Spreader	369.06	
32 91 13 36 Lawn Bed Preparation (32 91 13)		
32 91 13 36-0001 Lawn Bed Preparation (32 91 13 36)		
32 91 13 36-0002 MSF Rake Topsoil With Machine	61.50	
32 91 13 36-0003 MSF Rake Topsoil By Hand	54.65	
32 91 13 36-0004 MSF Screen Loam With Machine.....	78.18	
32 91 13 36-0005 MSF Screen Loam By Hand.....	36.43	
32 91 13 36-0006 SY Roll Topsoil With Machine	0.77	
32 91 13 36-0007 SY Roll Topsoil By Hand	2.44	
32 91 13 36-0008 MSF Remove Rocks And Debris With Machine	7.27	
32 91 13 36-0009 MSF Remove Rocks And Debris By Hand	23.45	
32 91 13 36-0010 MSF Root Raking And Loading, No Boulders	38.07	
For >45 to 225, Deduct	-26.65	
For >225, Deduct	-34.26	
32 91 13 36-0011 MSF Root Raking And Loading, With Boulders.....	63.44	
For >45 to 225, Deduct	-44.41	
For >225, Deduct	-57.10	
32 91 13 36-0012 SY Up To 6" Deep Tilling Topsoil With Tractor.....	0.09	
32 91 13 36-0013 SY Up To 2" Deep Tilling Topsoil With Rototiller	0.58	
32 91 13 36-0014 SY Up To 4" Deep Tilling Topsoil With Rototiller	0.70	
32 91 13 36-0015 SY Up To 6" Deep Tilling Topsoil With Rototiller	0.87	
32 91 13 36-0016 LF "V" Cut Soil For Edge Of Planting Beds.....	0.97	
32 91 13 36-0017 Sod Removal (32 91 13 36)		
32 91 13 36-0018 SY Remove Sod By Hand	4.60	
For Work On Slopes >2.5:1, Add	0.92	
32 91 13 36-0019 SY Remove Sod With Machine	0.45	
For Work On Slopes >2.5:1, Add	0.09	
32 91 13 36-0020 SY Pile Sod By Hand.....	2.73	
For Work On Slopes >2.5:1, Add	0.55	
32 91 13 36-0021 SY Pile Sod With Machine.....	0.84	
For Work On Slopes >2.5:1, Add	0.17	
32 91 19 Landscape Grading (32 91)		
32 91 19 13 Topsoil Placement And Grading (32 91 19)		
32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)		
32 91 19 13-0002 CY Remove Topsoil, 4" Deep Stockpile On Site.....	3.44	



		Exterior Improvements	32
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 19 13-0003 CY Remove Topsoil, 6" Deep Stockpile On Site.....	3.41	
32 91 19 13-0004 Screening Topsoil <small>(32 91 19 13)</small>		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic)	7.74	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material	5.16	
32 91 19 13-0007 CY Screen Topsoil With Vibrating Screen And Mix With Conditioners	2.06	
32 91 19 13-0008 Spreading Topsoil From Stockpile <small>(32 91 19 13)</small>		
32 91 19 13-0009 CY Spread Topsoil By Machine From Stockpile	5.73	
32 91 19 13-0010 CY Spread Topsoil By Hand From Stockpile	52.14	
32 91 19 13-0011 Furnish And Place Imported Screened Topsoil <small>(32 91 19 13)</small>		
Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0050 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 2" Deep.....	2.28	
<i>For Unscreened, Deduct</i>		
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 4" Deep.....	4.34	
<i>For Unscreened, Deduct</i>		
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 6" Deep.....	6.23	
<i>For Unscreened, Deduct</i>		
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 9" Deep.....	8.92	
<i>For Unscreened, Deduct</i>		
32 91 19 13-0016 SY Furnish And Place Imported Screened Topsoil, 12" Deep.....	11.62	
<i>For Unscreened, Deduct</i>		
32 91 19 13-0017 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep	31.18	
<i>For Unscreened, Deduct</i>		
32 91 19 13-0018 Soil Import <small>(32 91 19 13)</small>		
Note: Includes environmental/geotechnical materials testing, pickup at source, and transportation to LAUSD environmental cleanup sites with bulk drop-off; soil shall meet all requirements of LAUSD Specification 01440 (Environmental Import/Export Materials Testing); Specification 01440 sampling plans and reports shall be approved by LAUSD prior to soil import; soil shall also meet backfill material requirements of LAUSD Specification 02315 (Excavating, Backfilling, and Compacting) See CSI section 01 74 19 00-0050 for hauling greater than 15 miles.		
32 91 19 16 Scarify Subsoil <small>(32 91 19)</small>		
32 91 19 16-0001 Scarify Subsoil For Planting Preparation <small>(32 91 19 16)</small>		
32 91 19 16-0002 MSF Up To 5,000 SF Scarify Up To 8" Subsoil With Machine	45.05	
32 91 19 16-0003 MSF >5,000 To 20,000 SF Scarify Up To 8" Subsoil With Machine.....	31.54	
32 91 19 16-0004 MSF >20,000 SF Scarify Up To 8" Subsoil With Machine With Scarifier.....	18.51	
32 92 Turf And Grasses <small>(32 92)</small>		
32 92 16 Plugging <small>(32 92)</small>		
32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep <small>(32 92 16)</small>		
Note: Includes fine grade and soil preparation.		
32 92 16 00-0002 6" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center	184.25	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	32.10	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	25.91	
32 92 16 00-0006 9" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center	141.13	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center.....	24.79	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center.....	19.33	
32 92 16 00-0010 12" On Center Plugging <small>(32 92 16 00-0001)</small>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center	117.50	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center.....	16.44	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center.....	12.24	
32 92 19 Seeding <small>(32 92)</small>		
32 92 19 13 Mechanical Seeding <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
32 92 19 13-0001 Tractor Spreader Mechanical Seeding <small>(32 92 19 13)</small>		
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 13-0002 MSF Common Bluegrass, Tractor Spreader	28.41	
Note: 4 LB/MSF spread rate.		
32 92 19 13-0003 MSF Tall Fescue, Tractor Spreader	22.90	
Note: 5.5 LB/MSF spread rate.		

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0004	MSF		Rye, Tractor Spreader Note: 10 LB/MSF spread rate.	23.29	
32 92 19 13-0005	MSF		Shade Mix, Tractor Spreader..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	25.28	
32 92 19 13-0006	MSF		Turf Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	26.70	
32 92 19 13-0007	MSF		Slope Mix, Tractor Spreader Note: 6 LB/MSF spread rate.	24.80	
32 92 19 13-0008	MSF		Utility Mix, Tractor Spreader Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	22.43	
32 92 19 13-0009	MSF		Wild Flower Mix, Tractor Spreader..... Note: 0.10 LB/MSF spread rate.	17.96	
32 92 19 13-0010	MSF		Crown Vetch Mix, Tractor Spreader..... Note: 4 LB/MSF spread rate.	53.30	
32 92 19 13-0011	MSF		Athletic Mix, Tractor Spreader..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	32.40	
32 92 19 13-0012	MSF		White Clover Mix, Tractor Spreader..... Note: 7 LB/MSF spread rate.	17.91	
32 92 19 13-0013	MSF		Ladino Clover Mix, Tractor Spreader Note: 7 LB/MSF spread rate.	19.81	
32 92 19 13-0014			Hydro Or Air Mechanical Seeding <small>(32 92 19 13)</small>		
32 92 19 13-0015	MSF		Common Bluegrass, Hydro Or Air Seeding Note: 4 LB/MSF spread rate.	60.29	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.40	
			<i>For >1 To 4 MSF, Add</i>	42.81	
			<i>For >4 To 7.5 MSF, Add</i>	29.09	
			<i>For >7.5 To 10 MSF, Add</i>	14.55	
			<i>For >45, Deduct</i>	-4.94	
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding Note: 5.5 LB/MSF spread rate.	63.62	
			<i>For Spot Areas Up To 1 MSF, Add</i>	67.73	
			<i>For >1 To 4 MSF, Add</i>	43.48	
			<i>For >4 To 7.5 MSF, Add</i>	29.43	
			<i>For >7.5 To 10 MSF, Add</i>	14.71	
			<i>For >45, Deduct</i>	-5.10	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread Note: 10 LB/MSF spread rate.	60.43	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.46	
			<i>For >1 To 4 MSF, Add</i>	42.84	
			<i>For >4 To 7.5 MSF, Add</i>	29.11	
			<i>For >7.5 To 10 MSF, Add</i>	14.55	
			<i>For >45, Deduct</i>	-4.94	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	60.29	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.40	
			<i>For >1 To 4 MSF, Add</i>	42.81	
			<i>For >4 To 7.5 MSF, Add</i>	29.09	
			<i>For >7.5 To 10 MSF, Add</i>	14.55	
			<i>For >45, Deduct</i>	-4.94	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	63.62	
			<i>For Spot Areas Up To 1 MSF, Add</i>	67.73	
			<i>For >1 To 4 MSF, Add</i>	43.48	
			<i>For >4 To 7.5 MSF, Add</i>	29.43	
			<i>For >7.5 To 10 MSF, Add</i>	14.71	
			<i>For >45, Deduct</i>	-5.10	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding Note: 6 LB/MSF spread rate.	62.19	
			<i>For Spot Areas Up To 1 MSF, Add</i>	67.16	
			<i>For >1 To 4 MSF, Add</i>	43.19	
			<i>For >4 To 7.5 MSF, Add</i>	29.28	
			<i>For >7.5 To 10 MSF, Add</i>	14.64	
			<i>For >45, Deduct</i>	-5.03	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	61.04	
			<i>For Spot Areas Up To 1 MSF, Add</i>	66.70	
			<i>For >1 To 4 MSF, Add</i>	42.96	
			<i>For >4 To 7.5 MSF, Add</i>	29.17	
			<i>For >7.5 To 10 MSF, Add</i>	14.58	
			<i>For >45, Deduct</i>	-4.97	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding..... Note: 0.10 LB/MSF spread rate.	57.34	
			<i>For Spot Areas Up To 1 MSF, Add</i>	65.22	
			<i>For >1 To 4 MSF, Add</i>	42.22	
			<i>For >4 To 7.5 MSF, Add</i>	28.80	
			<i>For >7.5 To 10 MSF, Add</i>	14.40	
			<i>For >45, Deduct</i>	-4.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	90.69	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	78.56	
For >1 To 4 MSF, Add	48.89	
For >4 To 7.5 MSF, Add	32.13	
For >7.5 To 10 MSF, Add	16.07	
For >45, Deduct	-6.46	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding	80.25	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1 MSF, Add	74.38	
For >1 To 4 MSF, Add	46.80	
For >4 To 7.5 MSF, Add	31.09	
For >7.5 To 10 MSF, Add	15.54	
For >45, Deduct	-5.93	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	52.83	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	63.42	
For >1 To 4 MSF, Add	41.32	
For >4 To 7.5 MSF, Add	28.35	
For >7.5 To 10 MSF, Add	14.17	
For >45, Deduct	-4.56	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	58.39	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	65.64	
For >1 To 4 MSF, Add	42.43	
For >4 To 7.5 MSF, Add	28.90	
For >7.5 To 10 MSF, Add	14.45	
For >45, Deduct	-4.84	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	61.24	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1 MSF, Add	66.78	
For >1 To 4 MSF, Add	43.00	
For >4 To 7.5 MSF, Add	29.19	
For >7.5 To 10 MSF, Add	14.59	
For >45, Deduct	-4.98	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium.....	69.02	
Note: Applied with seed.		
For >45, Deduct	-4.41	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium.....	79.94	
Note: Applied with seed.		
For >45, Deduct	-5.01	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium.....	90.91	
Note: Applied with seed.		
For >45, Deduct	-5.61	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium.....	101.91	
Note: Applied with seed.		
For >45, Deduct	-6.21	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium.....	112.99	
Note: Applied with seed.		
For >45, Deduct	-6.82	
32 92 19 19 Seeding By Hand <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering. Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	81.42	
Note: 4 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.78	
For >20 To 45, Deduct	-11.23	
For >45, Deduct	-18.39	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	75.91	
Note: 5.5 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.50	
For >20 To 45, Deduct	-10.82	
For >45, Deduct	-17.84	
32 92 19 19-0004 MSF Rye, Push Spreader Or Hand.....	76.30	
Note: 10 LB/MSF spread rate.		
For > 5 To 20, Deduct	-5.52	
For >20 To 45, Deduct	-10.85	
For >45, Deduct	-17.88	
32 92 19 19-0005 MSF Shade Mix, Push Spreader Or Hand.....	78.29	
Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
For > 5 To 20, Deduct	-5.62	
For >20 To 45, Deduct	-11.00	
For >45, Deduct	-18.08	
32 92 19 19-0006 MSF Turf Mix, Push Spreader Or Hand.....	79.71	
Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
For > 5 To 20, Deduct	-5.69	
For >20 To 45, Deduct	-11.10	
For >45, Deduct	-18.22	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand.....	77.81	
		Note: 6 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.60	
		For >20 To 45, Deduct	-10.96	
		For >45, Deduct	-18.03	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand.....	75.44	
		Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For > 5 To 20, Deduct	-5.48	
		For >20 To 45, Deduct	-10.78	
		For >45, Deduct	-17.79	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand.....	70.97	
		Note: 0.10 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.26	
		For >20 To 45, Deduct	-10.45	
		For >45, Deduct	-17.34	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand.....	106.31	
		Note: 4 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-7.02	
		For >20 To 45, Deduct	-13.10	
		For >45, Deduct	-20.88	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand.....	85.41	
		Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For > 5 To 20, Deduct	-5.98	
		For >20 To 45, Deduct	-11.53	
		For >45, Deduct	-18.79	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand.....	70.92	
		Note: 7 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.25	
		For >20 To 45, Deduct	-10.44	
		For >45, Deduct	-17.34	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand.....	72.82	
		Note: 7 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.35	
		For >20 To 45, Deduct	-10.58	
		For >45, Deduct	-17.53	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand.....	82.32	
		Note: 3.3 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.82	
		For >20 To 45, Deduct	-11.30	
		For >45, Deduct	-18.48	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand.....	79.71	
		Note: 3.3 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.69	
		For >20 To 45, Deduct	-11.10	
		For >45, Deduct	-18.22	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand.....	77.81	
		Note: 3.3 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.60	
		For >20 To 45, Deduct	-10.96	
		For >45, Deduct	-18.03	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand.....	81.61	
		Note: 4.4 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.79	
		For >20 To 45, Deduct	-11.24	
		For >45, Deduct	-18.41	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand.....	78.76	
		Note: 3.3 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.65	
		For >20 To 45, Deduct	-11.03	
		For >45, Deduct	-18.12	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand.....	79.71	
		Note: 3.3 LB/MSF spread rate.		
		For > 5 To 20, Deduct	-5.69	
		For >20 To 45, Deduct	-11.10	
		For >45, Deduct	-18.22	

32 92 23 Sodding (32 92)

Note: Includes raking preparation, rolling of sod and sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls.

32 92 23 00-0001 Bermuda Sod (32 92 23)

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground.....	1,001.94	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground.....	968.57	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground.....	897.07	
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground.....	868.47	
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,268.89	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,196.09	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,054.03	
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped Ground.....	1,001.94	

32 92 23 00-0010 Zoysia Sod (32 92 23)

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground.....	969.23	
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		Exterior Improvements	32
		Planting	32 90
		Turf And Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0012 MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground.....	935.86	
32 92 23 00-0013 MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground.....	864.36	
32 92 23 00-0014 MSF >8,000 SF, Zoysia Sod, Installed On Level Ground.....	835.76	
32 92 23 00-0015 MSF Up To 1,000 SF, Zoysia Sod, Installed On Sloped Ground	1,236.18	
32 92 23 00-0016 MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped Ground	1,163.38	
32 92 23 00-0017 MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped Ground	1,021.32	
32 92 23 00-0018 MSF >8,000 SF, Zoysia Sod, Installed On Sloped Ground	969.23	
32 92 23 00-0019 Tall Fescue Sod (32 92 23)		
32 92 23 00-0020 MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground.....	959.96	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0021 MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	926.59	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0022 MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	855.09	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0023 MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	826.49	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0024 MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped Ground.....	1,226.91	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0025 MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped Ground	1,154.11	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0026 MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped Ground	1,012.05	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0027 MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped Ground	959.96	
For Hybrid Fescue "Marathon", Add	42.61	
32 92 23 00-0028 Centipede Sod (32 92 23)		
32 92 23 00-0029 MSF Up To 1,000 SF, Centipede Sod, Installed On Level Ground	891.82	
32 92 23 00-0030 MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground.....	858.45	
32 92 23 00-0031 MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground.....	786.95	
32 92 23 00-0032 MSF >8,000 SF, Centipede Sod, Installed On Level Ground.....	758.35	
32 92 23 00-0033 MSF Up To 1,000 SF, Centipede Sod, Installed On Sloped Ground.....	1,158.77	
32 92 23 00-0034 MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Sloped Ground	1,085.97	
32 92 23 00-0035 MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Sloped Ground	943.91	
32 92 23 00-0036 MSF >8,000 SF, Centipede Sod, Installed On Sloped Ground	891.82	
32 92 23 00-0037 Kentucky Blue Grass Sod (32 92 23)		
32 92 23 00-0038 MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	864.52	
32 92 23 00-0039 MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	831.15	
32 92 23 00-0040 MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	759.65	
32 92 23 00-0041 MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	731.05	
32 92 23 00-0042 MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground.....	1,131.47	
32 92 23 00-0043 MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	1,058.67	
32 92 23 00-0044 MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	916.61	
32 92 23 00-0045 MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped Ground	864.52	
32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar (32 92 23)		
32 92 23 00-0047 MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,112.11	
32 92 23 00-0048 MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,078.74	
32 92 23 00-0049 MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,007.24	
32 92 23 00-0050 MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	978.64	
32 92 23 00-0051 MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground.....	1,379.06	
32 92 23 00-0052 MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground	1,306.26	
32 92 23 00-0053 MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground	1,164.20	
32 92 23 00-0054 MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped Ground	1,112.11	
32 92 23 00-0055 GN-1 Sod (32 92 23)		
32 92 23 00-0056 MSF Up To 1,000 SF, GN-1 Sod, Installed On Level Ground.....	1,398.14	
32 92 23 00-0057 MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground.....	1,364.77	
32 92 23 00-0058 MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,293.27	
32 92 23 00-0059 MSF >8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,264.67	
32 92 23 00-0060 MSF Up To 1,000 SF, GN-1 Sod, Installed On Sloped Ground	1,665.09	
32 92 23 00-0061 MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped Ground	1,592.29	
32 92 23 00-0062 MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped Ground	1,450.23	
32 92 23 00-0063 MSF >8,000 SF, GN-1 Sod, Installed On Sloped Ground	1,398.14	
32 92 23 00-0064 Tifgreen Bermuda Sod (32 92 23)		
32 92 23 00-0065 MSF Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,460.64	
32 92 23 00-0066 MSF >1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,427.27	
32 92 23 00-0067 MSF >4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,355.77	
32 92 23 00-0068 MSF >8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground.....	1,327.17	
32 92 23 00-0069 MSF Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground	1,727.59	
32 92 23 00-0070 MSF >1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground	1,654.79	
32 92 23 00-0071 MSF >4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped Ground	1,512.73	

32 Exterior Improvements**32 90 Planting****32 92 Turf And Grasses**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

32 92 23 00-0072 MSF >8,000 SF, Trifgreen Bermuda Sod, Installed On Sloped Ground1,460.64

32 93 Plants (32 90)**32 93 13 Ground Covers** (32 93)

Note: Materials only.

32 93 13 00-0001 Ornamental Grasses (32 93 13)

32 93 13 00-0002	EA	1 Gallon Cortaderia selloana - Pampas Grass	7.04
32 93 13 00-0003	EA	2 Gallon Cortaderia selloana - Pampas Grass	8.58
32 93 13 00-0004	EA	3 Gallon Cortaderia selloana - Pampas Grass	10.12
32 93 13 00-0005	EA	10 Gallon Cortaderia selloana - Pampas Grass	38.87
32 93 13 00-0006	EA	1 Quart Imperata cylindrica - Japanese Blood Grass	4.33
32 93 13 00-0007	EA	1 Gallon Imperata cylindrica - Japanese Blood Grass	6.23
32 93 13 00-0008	EA	2 Gallon Imperata cylindrica - Japanese Blood Grass	8.58
32 93 13 00-0009	EA	1 Quart Koeleria glauca - Blue Hair Grass	3.08
32 93 13 00-0010	EA	1 Gallon Koeleria glauca - Blue Hair Grass	5.50
32 93 13 00-0011	EA	3 Gallon Koeleria glauca - Blue Hair Grass	10.12
32 93 13 00-0012	EA	1 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	8.58
32 93 13 00-0013	EA	3 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	14.81
32 93 13 00-0014	EA	5 Gallon Miscanthus sinensis 'Gracillimus' - Maiden Grass	19.51
32 93 13 00-0015	EA	1 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	8.58
32 93 13 00-0016	EA	3 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	14.81
32 93 13 00-0017	EA	5 Gallon Miscanthus sinensis 'Zebrinus' - Zebra Grass	19.51
32 93 13 00-0018	EA	1 Quart Pennisetum setaceum - Fountain Grass	3.45
32 93 13 00-0019	EA	1 Gallon Pennisetum setaceum - Fountain Grass	5.50
32 93 13 00-0020	EA	3 Gallon Pennisetum setaceum - Fountain Grass	10.12
32 93 13 00-0021	EA	1 Gallon Saccharum ravennae - Ravenna Grass	7.04
32 93 13 00-0022	EA	3 Gallon Saccharum ravennae - Ravenna Grass	10.12
32 93 13 00-0023	EA	7 Gallon Saccharum ravennae - Ravenna Grass	19.51
32 93 13 00-0024	EA	1 Gallon Spartina pectinata - Variegated Cord Grass	6.23
32 93 13 00-0025	EA	2 Gallon Spartina pectinata - Variegated Cord Grass	10.12
32 93 13 00-0026	EA	1 Quart Stipa gigantea - Giant Feather Grass	7.77
32 93 13 00-0027	EA	1 Gallon Stipa gigantea - Giant Feather Grass	11.73

32 93 13 00-0028 Ground Covers (32 93 13)

32 93 13 00-0029	EA	1 Gallon Agave Attenuata - Century Plant	6.15
32 93 13 00-0030	EA	5 Gallon Agave Attenuata - Century Plant	16.59
32 93 13 00-0031	EA	15 Gallon Agave Attenuata - Century Plant	54.85
32 93 13 00-0032	EA	1 Gallon Arctostaphylos 'Howard McMinn' - Manzanita	5.51
32 93 13 00-0033	EA	5 Gallon Arctostaphylos 'Howard McMinn' - Manzanita	14.98
32 93 13 00-0034	EA	1 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita	5.51
32 93 13 00-0035	EA	5 Gallon Arctostaphylos 'Emerald Carpet' - Manzanita	14.98
32 93 13 00-0036	EA	1 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	5.35
32 93 13 00-0037	EA	5 Gallon Ceanothus 'Carmel Creeper' - Wild Lilac	12.84
32 93 13 00-0038	EA	1 Gallon Ceanothus 'Yanlee Point' - Wild Lilac	5.35
32 93 13 00-0039	EA	5 Gallon Ceanothus 'Yanlee Point' - Wild Lilac	12.84
32 93 13 00-0040	EA	1 Gallon Dietes Vegata - Fortnight Lily	4.60
32 93 13 00-0041	EA	5 Gallon Dietes Vegata - Fortnight Lily	11.35
32 93 13 00-0042	EA	1 Gallon Juncus Patens 'Elk Blue' - California Gray Rush	8.55
32 93 13 00-0043	EA	5 Gallon Juncus Patens 'Elk Blue' - California Gray Rush	22.47
32 93 13 00-0044	EA	4" Pot Miscanthus 'Morning Light' - NCN	6.41
32 93 13 00-0045	EA	20 Count Flat Miscanthus 'Morning Light' - NCN	94.57
32 93 13 00-0046	EA	1 Gallon Muhlenbergia Rigens - Deer Grass	8.55
32 93 13 00-0047	EA	5 Gallon Muhlenbergia Rigens - Deer Grass	22.47
32 93 13 00-0048	EA	15 Gallon Muhlenbergia Rigens - Deer Grass	85.61
32 93 13 00-0049	EA	1 Gallon Nassella Tenuissima - Mexican Feather Grass	8.55
32 93 13 00-0050	EA	1 Gallon Trachelospermum Jasminoides - Star Jasmine	4.28
32 93 13 00-0051	EA	5 Gallon Trachelospermum Jasminoides - Star Jasmine	10.70
32 93 13 00-0052	EA	1 Gallon Westringia Fruticosa - Coast Rosemary	4.60
32 93 13 00-0053	EA	5 Gallon Westringia Fruticosa - Coast Rosemary	11.35
32 93 13 00-0054	EA	15 Gallon Westringia Fruticosa - Coast Rosemary	46.56
32 93 13 00-0055	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	7.77
32 93 13 00-0056	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	10.12
32 93 13 00-0057	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	12.81
32 93 13 00-0058	EA	1 Quart Waldsteinia ternata - Barren Strawberry	2.20
32 93 13 00-0059	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	5.28
32 93 13 00-0060	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	7.19
32 93 13 00-0061	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	13.64
32 93 13 00-0062	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	24.05
32 93 13 00-0063	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	2.46
32 93 13 00-0064	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	4.55
32 93 13 00-0065	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	15.99
32 93 13 00-0066	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	5.97
32 93 13 00-0067	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	3.67
32 93 13 00-0068	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	8.36
32 93 13 00-0069	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	22.88
32 93 13 00-0070	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	7.69
32 93 13 00-0071	EA	1 Quart Iberis sempervirens - Candytuft	2.20



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0072	EA	1	Gallon Iberis sempervirens - Candytuft.....	5.28	
32 93 13 00-0073	EA	1	Gallon Gelsemium sempervirens - Carolina Jessamine	5.28	
32 93 13 00-0074	EA	5	Gallon Gelsemium sempervirens - Carolina Jessamine	19.07	
32 93 13 00-0075	EA	3"	Pot Ajuga reptans - Carpet Bugle.....	1.32	
32 93 13 00-0076	EA	1	Quart Ajuga reptans - Carpet Bugle.....	2.20	
32 93 13 00-0077	EA	1	Gallon Ajuga reptans - Carpet Bugle	5.28	
32 93 13 00-0078	EA	24	Plant Flat Ajuga reptans - Carpet Bugle	22.73	
32 93 13 00-0079	EA	1	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	5.28	
32 93 13 00-0080	EA	5	Gallon Macfadyena unguis-cati - Cat Claw Vine.....	22.88	
32 93 13 00-0081	EA	1	Gallon Wisteria sinensis - Chinese Wisteria Vine	6.89	
32 93 13 00-0082	EA	3	Gallon Wisteria sinensis - Chinese Wisteria Vine	15.25	
32 93 13 00-0083	EA	5	Gallon Wisteria sinensis - Chinese Wisteria Vine	22.88	
32 93 13 00-0084	EA	1	Gallon Ranunculaceae - Clematis Varieties.....	7.58	
32 93 13 00-0085	EA	2	Gallon Ranunculaceae - Clematis Varieties.....	14.02	
32 93 13 00-0086	EA	1	Gallon Hydrangea petiolaris - Climbing Hydrangea	9.53	
32 93 13 00-0087	EA	2	Gallon Hydrangea petiolaris - Climbing Hydrangea	17.89	
32 93 13 00-0088	EA	5	Gallon Hydrangea petiolaris - Climbing Hydrangea	29.33	
32 93 13 00-0089	EA	4"	Pot Lantana camera - Common Lantana.....	1.32	
32 93 13 00-0090	EA	1	Gallon Lantana camera - Common Lantana	3.81	
32 93 13 00-0091	EA	1	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	4.55	
32 93 13 00-0092	EA	5	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	14.96	
32 93 13 00-0093	EA	2	Quart Lysimachia nummularia - Creeping Jenny.....	2.20	
32 93 13 00-0094	EA	1	Gallon Lysimachia nummularia - Creeping Jenny.....	4.25	
32 93 13 00-0095	EA	2	Quart Liriope spicata - Creeping Lilytuft.....	3.81	
32 93 13 00-0096	EA	1	Gallon Liriope spicata - Creeping Lilytuft	6.89	
32 93 13 00-0097	EA	5	Gallon Liriope spicata - Creeping Lilytuft	14.52	
32 93 13 00-0098	EA		Bare Root Liriope spicata - Creeping Liriope	0.96	
32 93 13 00-0099	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	1.32	
32 93 13 00-0100	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	5.28	
32 93 13 00-0101	EA	2-1/4"	Pot Securigera varia - Crown Vetch	0.88	
32 93 13 00-0102	EA	50	Plant Flat Securigera varia - Crown Vetch	29.77	
32 93 13 00-0103	EA	1	Quart Senecio cineraria - Dusty Miller	2.20	
32 93 13 00-0104	EA	1	Gallon Senecio cineraria - Dusty Miller.....	5.28	
32 93 13 00-0105	EA	2	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	18.33	
32 93 13 00-0106	EA	5	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	33.59	
32 93 13 00-0107	EA	1	Gallon Ilex cornuta - Dwarf Holly	3.98	
32 93 13 00-0108	EA	3	Gallon Ilex cornuta - Dwarf Holly	8.54	
32 93 13 00-0109	EA	3	Gallon Rhipilepis umbellata 'Minor' - Dwarf Indian Hawthorn	8.54	
32 93 13 00-0110	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	2.85	
32 93 13 00-0111	EA	2"	To 3" Pot Hedera helix - English Ivy	1.32	
32 93 13 00-0112	EA	12"	To 15" Runners Hedera helix - English Ivy	2.20	
32 93 13 00-0113	EA	1	Gallon Hedera helix - English Ivy.....	5.28	
32 93 13 00-0114	EA	50	Plant Flat Hedera helix - English Ivy	30.51	
32 93 13 00-0115	EA	4"	Pot Lavandula angustifolia - English Lavender.....	1.91	
32 93 13 00-0116	EA	1	Quart Lavandula angustifolia - English Lavender	3.67	
32 93 13 00-0117	EA	1	Gallon Lavandula angustifolia - English Lavender.....	6.01	
32 93 13 00-0118	EA	1	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	5.72	
32 93 13 00-0119	EA	2	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	11.44	
32 93 13 00-0120	EA	1	Quart Arundo donax - Giant Reed	7.04	
32 93 13 00-0121	EA	1	Gallon Arundo donax - Giant Reed.....	10.12	
32 93 13 00-0122	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	6.01	
32 93 13 00-0123	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	11.44	
32 93 13 00-0124	EA	1	Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	7.77	
32 93 13 00-0125	EA	1	Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	11.73	
32 93 13 00-0126	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	1.32	
32 93 13 00-0127	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	6.01	
32 93 13 00-0128	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	11.44	
32 93 13 00-0129	EA	1	Gallon Hardenbergia violacea - Happy Wanderer	5.28	
32 93 13 00-0130	EA	5	Gallon Hardenbergia violacea - Happy Wanderer	17.60	
32 93 13 00-0131	EA	3	Gallon Hibiscus, Assorted Colors	6.88	
32 93 13 00-0132	EA	1	Gallon Acorus gramineus - Japanese Sweet Flag	5.50	
32 93 13 00-0133	EA	1	Gallon Jasminum volubile - Wax Jasmine	2.77	
32 93 13 00-0134	EA	1	Gallon Jasminum volubile - Wax Jasmine	6.88	
32 93 13 00-0135	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	3.45	
32 93 13 00-0136	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	7.69	
32 93 13 00-0137	EA	1	Gallon Cissus antarctica - Kangaroo Vine	4.25	
32 93 13 00-0138	EA	5	Gallon Cissus antarctica - Kangaroo Vine	13.35	
32 93 13 00-0139	EA	1	Quart Stachys byzantina - Lamb's Ear.....	2.20	
32 93 13 00-0140	EA	1	Quart Stachys byzantina - Lamb's Ear.....	5.28	
32 93 13 00-0141	EA	1	Gallon Lantana spp. Various Colors	3.11	
32 93 13 00-0142	EA	1	Gallon Lantana sellowiana - Trailing Lantana	2.05	
32 93 13 00-0143	EA	1	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	4.25	
32 93 13 00-0144	EA	5	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	15.25	
32 93 13 00-0145	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.11	
32 93 13 00-0146	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	3.93	
32 93 13 00-0147	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	6.28	
32 93 13 00-0148	EA	1	Quart Moss Phlox, Creeping Phlox.....	2.20	
32 93 13 00-0149	EA	1	Gallon Moss Phlox, Creeping Phlox	5.28	
32 93 13 00-0150	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern.....	2.77	
32 93 13 00-0151	EA	4"	Pot Ophiopogon Japonicus - Mondo grass.....	1.32	
32 93 13 00-0152	EA	1	Gallon Ophiopogon Japonicus - Mondo grass.....	5.28	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 13 00-0153	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	12.17
32 93 13 00-0154	EA	2' To 3' High Oregon Holly-Grape	6.09
32 93 13 00-0155	EA	1 Gallon Pachysandra terminalis - Pachysandra	7.94
32 93 13 00-0156	EA	2-1/4" Pot Vinca minor - Periwinkle	0.73
32 93 13 00-0157	EA	4" Pot Vinca minor - Periwinkle	2.20
32 93 13 00-0158	EA	Bare Root Vinca minor - Periwinkle	0.73
32 93 13 00-0159	EA	1 Quart Nepeta mussinii - Persian Catmint	2.20
32 93 13 00-0160	EA	1 Gallon Nepeta mussinii - Persian Catmint	4.55
32 93 13 00-0161	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	3.67
32 93 13 00-0162	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	13.35
32 93 13 00-0163	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	6.01
32 93 13 00-0164	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	12.91
32 93 13 00-0165	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	19.07
32 93 13 00-0166	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	5.24
32 93 13 00-0167	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	13.57
32 93 13 00-0168	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	22.73
32 93 13 00-0169	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	2.77
32 93 13 00-0170	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	3.08
32 93 13 00-0171	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	5.50
32 93 13 00-0172	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	8.58
32 93 13 00-0173	EA	1 Gallon Hymenocallis latifolia - Spider Lily	3.41
32 93 13 00-0174	EA	3 Gallon Hymenocallis latifolia - Spider Lily	9.10
32 93 13 00-0175	EA	1 Quart Hypericum perforatum - St. John's Wort	2.20
32 93 13 00-0176	EA	1 Gallon Hypericum perforatum - St. John's Wort	5.28
32 93 13 00-0177	EA	5 Gallon Hypericum perforatum - St. John's Wort	13.64
32 93 13 00-0178	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	18.56
32 93 13 00-0179	EA	1 Gallon Campsis radicans - Trumpet Creeper	8.07
32 93 13 00-0180	EA	2 Gallon Campsis radicans - Trumpet Creeper	12.17
32 93 13 00-0181	EA	5 Gallon Campsis radicans - Trumpet Creeper	29.33
32 93 13 00-0182	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	0.73
32 93 13 00-0183	EA	4" Pot Vinca major - Variegated Greater Periwinkle	2.20
32 93 13 00-0184	EA	Bare Root Vinca major - Variegated Greater Periwinkle	0.73
32 93 13 00-0185	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	3.96
32 93 13 00-0186	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	5.50
32 93 13 00-0187	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	8.58
32 93 13 00-0188	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	6.01
32 93 13 00-0189	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	2.79
32 93 13 00-0190	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	4.25
32 93 13 00-0191	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	26.14
32 93 13 00-0192	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	1.32
32 93 13 00-0193	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	6.89
32 93 13 00-0194	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	5.28
32 93 13 00-0195	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	10.56
32 93 13 00-0196	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	18.33
32 93 13 00-0197	EA	1 Gallon Cistaceae - Winkleleaf Rock Rose	4.25
32 93 13 00-0198	EA	5 Gallon Cistaceae - Winkleleaf Rock Rose	14.52

32 93 23 Plants And Bulbs (32 93)

Note: Materials only.

32 93 23 00-0001 Perennials (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	4.25
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	6.01
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	9.97
32 93 23 00-0005	EA	1 Quart Azure Penstemon	2.20
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	5.50
32 93 23 00-0007	EA	1 Quart Balloon Flower	2.20
32 93 23 00-0008	EA	1 Gallon Balloon Flower	5.50
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	2.20
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	5.50
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	7.11
32 93 23 00-0012	EA	1 Quart Blackberry Lily	2.20
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	5.50
32 93 23 00-0014	EA	1 Quart Blank Flower	2.20
32 93 23 00-0015	EA	1 Gallon Blank Flower	5.06
32 93 23 00-0016	EA	2 Gallon Blank Flower	7.11
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	2.20
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	5.50
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	3.74
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	6.31
32 93 23 00-0021	EA	1 Quart Blue Plumbago	2.20
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	5.50
32 93 23 00-0023	EA	1 Quart Blue Star	3.96
32 93 23 00-0024	EA	1 Gallon Blue Star	6.31
32 93 23 00-0025	EA	1 Quart Cardinal Flower	2.20
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	5.50
32 93 23 00-0027	EA	4" Pot Columbine	1.32
32 93 23 00-0028	EA	1 Quart Columbine	2.20
32 93 23 00-0029	EA	1 Gallon Columbine	5.50
32 93 23 00-0030	EA	1 Quart Common Globeflower	2.20
32 93 23 00-0031	EA	1 Gallon Common Globeflower	5.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0032	EA	1	Quart Cottage Pink, Scotch Pink	2.20	
32 93 23 00-0033	EA	1	Quart Cottage Pink, Scotch Pink	5.50	
32 93 23 00-0034	EA	1	Gallon Astilbe 'Deutschland'	7.92	
32 93 23 00-0035	EA	1	Quart Diploid	2.79	
32 93 23 00-0036	EA	1	Gallon Diploid	6.31	
32 93 23 00-0037	EA	3	Gallon Diploid	10.85	
32 93 23 00-0038	EA	4"	Pot Dune Sunflower	3.14	
32 93 23 00-0039	EA	1	Quart Evans Begonia	3.96	
32 93 23 00-0040	EA	1	Gallon Evans Begonia	7.11	
32 93 23 00-0041	EA	1	Quart False Dragonhead	2.20	
32 93 23 00-0042	EA	1	Gallon False Dragonhead	5.50	
32 93 23 00-0043	EA	1	Quart False Spirea	2.20	
32 93 23 00-0044	EA	1	Gallon False Spirea	7.11	
32 93 23 00-0045	EA	3	Gallon False Spirea	9.83	
32 93 23 00-0046	EA	2	Quart False Sunflower	3.52	
32 93 23 00-0047	EA	1	Gallon False Sunflower	5.50	
32 93 23 00-0048	EA	2	Gallon False Sunflower	7.11	
32 93 23 00-0049	EA	1	Gallon Foxglove	5.06	
32 93 23 00-0050	EA	2	Gallon Foxglove	7.11	
32 93 23 00-0051	EA	3	Gallon Foxglove	10.27	
32 93 23 00-0052	EA	1	Gallon Frances Hostas	8.91	
32 93 23 00-0053	EA	1	Quart Garden Phlox	2.20	
32 93 23 00-0054	EA	1	Gallon Garden Phlox	5.50	
32 93 23 00-0055	EA	2	Quart Golden Groundsel	4.69	
32 93 23 00-0056	EA	2	Gallon Golden Groundsel	9.46	
32 93 23 00-0057	EA	1	Quart Golden Star	2.20	
32 93 23 00-0058	EA	1	Gallon Golden Star	5.50	
32 93 23 00-0059	EA	1	Quart Goldenrod	2.20	
32 93 23 00-0060	EA	1	Gallon Goldenrod	5.50	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylilies	10.24	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy	1.32	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy	2.20	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy	5.50	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum	1.91	
32 93 23 00-0066	EA	6"	To 8" Pot Hardy Chrysanthemum	3.15	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum	5.06	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony	7.85	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony	12.54	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony	16.50	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone	1.32	
32 93 23 00-0072	EA	1	Quart Japanese Anemone	3.96	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone	7.11	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge	0.78	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge	1.17	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge	5.05	
32 93 23 00-0077	EA	1	Quart Oriental Poppy	3.15	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy	6.31	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis	26.14	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris	4.33	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris	8.21	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells	8.33	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia	1.32	
32 93 23 00-0084	EA	1	Quart Perennial Salvia	2.20	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia	5.50	
32 93 23 00-0086	EA	1	Quart Pincushion Flower	2.20	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower	5.50	
32 93 23 00-0088	EA	2	Quart Plantain Lily	4.25	
32 93 23 00-0089	EA	1	Gallon Plantain Lily	6.01	
32 93 23 00-0090	EA	2	Gallon Plantain Lily	9.97	
32 93 23 00-0091	EA	3	Gallon Plantain Lily	18.85	
32 93 23 00-0092	EA	2	Quart Purple Coneflower	3.96	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower	5.50	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower	7.11	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife	2.20	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife	5.50	
32 93 23 00-0097	EA	1	Quart Rose Mallow	4.33	
32 93 23 00-0098	EA	2	Gallon Rose Mallow	7.85	
32 93 23 00-0099	EA	3	Gallon Rose Mallow	13.42	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum	8.39	
32 93 23 00-0101	EA	1	Quart Siberian Iris	3.74	
32 93 23 00-0102	EA	2	Gallon Siberian Iris	7.11	
32 93 23 00-0103	EA	3	Gallon Siberian Iris	9.83	
32 93 23 00-0104	EA	1	Quart Speedwell	2.20	
32 93 23 00-0105	EA	1	Gallon Speedwell	5.50	
32 93 23 00-0106	EA	1	Quart Tetraploid	5.50	
32 93 23 00-0107	EA	1	Gallon Tetraploid	10.27	
32 93 23 00-0108	EA	3	Gallon Tetraploid	14.01	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis	2.20	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	5.50	
32 93 23 00-0111	EA	1	Quart Torch Lily	2.20	
32 93 23 00-0112	EA	1	Quart Bluebeard	3.96	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0113 EA 1 Gallon Bluebeard	5.87	
32 93 23 00-0114 EA 2 Gallon Bluebeard	8.58	
32 93 23 00-0115 Annuals (32 93 23)		
32 93 23 00-0116 EA 2-1/2" Pot Annual Flowers	1.02	
32 93 23 00-0117 EA 3" Pot Annual Flowers.....	1.38	
32 93 23 00-0118 EA 4" Pot Annual Flowers.....	2.95	
32 93 23 00-0119 EA 5-1/2" Pot Annual Flowers	3.92	
32 93 23 00-0120 EA 6" Pot Annual Flowers.....	7.77	
32 93 23 00-0121 EA 8" Pot Annual Flowers.....	12.95	
32 93 23 00-0122 EA 36 Plant Flat Annual Flowers	16.96	
32 93 23 00-0123 EA 48 Plant Flat Annual Flowers	19.23	
32 93 23 00-0124 Bulbs (32 93 23)		
32 93 23 00-0125 EA Top Size Allium giganteum - Giant Ornamental Onion	3.55	
32 93 23 00-0126 EA Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	0.20	
32 93 23 00-0127 LOT Lot Of 100 Top Size Crocus Hybrid	23.21	
32 93 23 00-0128 LOT Lot Of 100 Top Size Eranthis hyemalis - Winter Aconite	30.03	
32 93 23 00-0129 LOT Lot Of 100 Top Size Galanthus nivalis - Snowdrops.....	38.23	
32 93 23 00-0130 LOT Lot Of 100 Top Size Iris reticulata cvs - Dutch Iris	15.02	
32 93 23 00-0131 LOT Lot Of 100 Top Size Muscari armeniacum - Grape Hyacinth.....	17.75	
32 93 23 00-0132 LOT Lot Of 100 Top Size Muscari latifolium - Grape Hyacinth	20.48	
32 93 23 00-0133 LOT Lot Of 50 Narcissus 'Carlton' - Carlton Daffodil DNI.....	61.43	
32 93 23 00-0134 LOT Lot Of 50 Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	29.35	
32 93 23 00-0135 LOT Lot Of 50 Narcissus 'February Gold' - February Gold Daffodil DNI	30.72	
32 93 23 00-0136 LOT Lot Of 50 Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	30.72	
32 93 23 00-0137 LOT Lot Of 50 Narcissus 'Mount Hood' - Mount Hood Daffodil DNI.....	32.08	
32 93 23 00-0138 LOT Lot Of 50 Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	34.13	
32 93 23 00-0139 LOT Lot Of 50 Narcissus 'Pipit' - Pipit Daffodil DNI.....	32.08	
32 93 23 00-0140 LOT Lot Of 50 Narcissus 'Salome' - Salome Daffodil DNI	30.03	
32 93 23 00-0141 LOT Lot Of 50 Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	32.08	
32 93 23 00-0142 LOT Lot Of 50 Narcissus 'Thalia' - Thalia Daffodil DNI	32.08	
32 93 23 00-0143 LOT Lot Of 100 Top Size Scilla siberica - Siberian Squill.....	19.11	
32 93 23 00-0144 LOT Lot Of 60 Top Size Tulip 'Angelique' - Angelique Tulip.....	32.77	
32 93 23 00-0145 LOT Lot Of 60 Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	24.57	
32 93 23 00-0146 LOT Lot Of 100 Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip.....	54.61	
32 93 23 00-0147 LOT Lot Of 100 Top Size Tulip 'Big Smile' - Big Smile Tulip.....	47.78	
32 93 23 00-0148 LOT Lot Of 100 Top Size Tulip 'Black Parrot' - Black Parrot Tulip	68.26	
32 93 23 00-0149 LOT Lot Of 100 Top Size Tulip 'Blue Heron' - Blue Heron Tulip	51.88	
32 93 23 00-0150 LOT Lot Of 100 Top Size Tulip 'Cardinal' - Cardinal Tulip	45.05	
32 93 23 00-0151 LOT Lot Of 100 Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	50.51	
32 93 23 00-0152 LOT Lot Of 100 Top Size Tulip clusiana - Species Tulip.....	50.51	
32 93 23 00-0153 LOT Lot Of 60 Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip.....	30.31	
32 93 23 00-0154 LOT Lot Of 60 Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	24.57	
32 93 23 00-0155 LOT Lot Of 60 Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip.....	23.75	
32 93 23 00-0156 LOT Lot Of 100 Top Size Tulip 'Halcro' - Halcro Tulip	40.96	
32 93 23 00-0157 LOT Lot Of 60 Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip.....	40.96	
32 93 23 00-0158 LOT Lot Of 60 Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip.....	24.57	
32 93 23 00-0159 LOT Lot Of 100 Top Size Tulip 'Passionale' - Passionale Tulip	54.61	
32 93 23 00-0160 LOT Lot Of 60 Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	35.22	
32 93 23 00-0161 LOT Lot Of 100 Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	61.43	
32 93 23 00-0162 LOT Lot Of 100 Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip.....	49.15	
32 93 23 00-0163 LOT Lot Of 60 Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip.....	27.85	
32 93 23 00-0164 LOT Lot Of 60 Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip.....	30.31	
32 93 23 00-0165 LOT Lot Of 60 Top Size Tulip 'Princept' - Princept Tulip	30.31	
32 93 23 00-0166 LOT Lot Of 100 Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip.....	39.59	
32 93 23 00-0167 LOT Lot Of 100 Top Size Tulip saxatilis - Species Tulip	27.30	
32 93 23 00-0168 LOT Lot Of 100 Top Size Tulip 'Shirley' - Shirley Tulip.....	40.96	
32 93 23 00-0169 LOT Lot Of 100 Top Size Tulip 'Spring Green' - Spring Green Tulip	53.24	
32 93 23 00-0170 LOT Lot Of 60 Top Size Tulip 'White Emperor' - White Emperor Tulip	24.57	
32 93 33 Shrubs (32 93)		
Note: (cvs = cultivar) materials only.		
32 93 33 00-0001 Shrubs (32 93 33)		
32 93 33 00-0002 EA 1 Gallon Abelia x grandiflora - Abelia.....	3.30	
32 93 33 00-0003 EA 3 Gallon Abelia x grandiflora - Abelia.....	6.72	
32 93 33 00-0004 EA 5 Gallon Abelia x grandiflora - Abelia.....	12.90	
32 93 33 00-0005 EA 3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	85.85	
32 93 33 00-0006 EA 18" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	125.47	
32 93 33 00-0007 EA 24" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	139.99	
32 93 33 00-0008 EA 30" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	176.97	
32 93 33 00-0009 EA 36" B&B Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye.....	196.78	
32 93 33 00-0010 EA 18" B&B Aesculus parviflora - Bottlebrush Buckeye	39.62	
32 93 33 00-0011 EA 24" B&B Aesculus parviflora - Bottlebrush Buckeye	52.83	
32 93 33 00-0012 EA 30" B&B Aesculus parviflora - Bottlebrush Buckeye	66.03	
32 93 33 00-0013 EA 36" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	22.45	
32 93 33 00-0014 EA 42" B&B Aronia arbutifolia & cvs - Red Chokeberry.....	26.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0015	EA	48"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	31.70	
32 93 33 00-0016	EA	60"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	36.98	
32 93 33 00-0017	EA	72"	B&B Aronia arbutifolia & cvs - Red Chokeberry.....	44.90	
32 93 33 00-0018	EA	36"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	21.79	
32 93 33 00-0019	EA	42"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	23.11	
32 93 33 00-0020	EA	48"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	24.43	
32 93 33 00-0021	EA	60"	B&B Aronia melanocarpa & cvs - Black Chokeberry.....	27.73	
32 93 33 00-0022	EA	36"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	22.12	
32 93 33 00-0023	EA	42"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	23.44	
32 93 33 00-0024	EA	48"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	24.76	
32 93 33 00-0025	EA	60"	B&B Aronia prunifolia - Purple-Fruited Chokeberry.....	26.08	
32 93 33 00-0026	EA	1	Gallon Aspidistra elatior - Cast Iron Plant.....	4.54	
32 93 33 00-0027	EA	2	Gallon Aspidistra elatior - Cast Iron Plant.....	10.50	
32 93 33 00-0028	EA	1	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	5.32	
32 93 33 00-0029	EA	3	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	11.71	
32 93 33 00-0030	EA	5	Gallon Aucuba japonica "Variegata" - Gold Dust Plant.....	15.82	
32 93 33 00-0031	EA	1	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	5.68	
32 93 33 00-0032	EA	2	Gallon Bauhinia purpurea - Orange-eye Butterfly Bush.....	8.30	
32 93 33 00-0033	EA	15"	To 18" Berberis - Northern Bayberry.....	23.69	
32 93 33 00-0034	EA	2'	To 2-1/2' Berberis - Northern Bayberry.....	30.08	
32 93 33 00-0035	EA	2-1/2'	To 3' Berberis - Northern Bayberry.....	42.14	
32 93 33 00-0036	EA	18"	To 24" Berberis julianae - Dwarf Wintergreen Barberry.....	25.33	
32 93 33 00-0037	EA	2'	To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry.....	32.42	
32 93 33 00-0038	EA	2-1/2'	To 3' Berberis julianae - Dwarf Wintergreen Barberry.....	41.43	
32 93 33 00-0039	EA	1	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	6.81	
32 93 33 00-0040	EA	2	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	13.41	
32 93 33 00-0041	EA	3	Gallon Berberis thunbergii - Crimson Pygmy Barberry.....	16.39	
32 93 33 00-0042	EA	1	Gallon Berberis x mentorensis - Mentor Barberry.....	6.46	
32 93 33 00-0043	EA	5	Gallon Berberis x mentorensis - Mentor Barberry.....	18.23	
32 93 33 00-0044	EA	2'	To 3' Berberis x mentorensis - Mentor Barberry.....	25.33	
32 93 33 00-0045	EA	3'	To 4' Berberis x mentorensis - Mentor Barberry.....	39.09	
32 93 33 00-0046	EA	1	Gallon Buxus microphylla japonica - Japanese Boxwood.....	7.38	
32 93 33 00-0047	EA	5	Gallon Buxus microphylla japonica - Japanese Boxwood.....	19.79	
32 93 33 00-0048	EA	12"	To 15" Buxus microphylla japonica - Japanese Boxwood.....	21.07	
32 93 33 00-0049	EA	15"	To 18" Buxus microphylla japonica - Japanese Boxwood.....	27.10	
32 93 33 00-0050	EA	18"	To 24" Buxus microphylla japonica - Japanese Boxwood.....	36.11	
32 93 33 00-0051	EA	24"	To 30" Buxus microphylla japonica - Japanese Boxwood.....	54.20	
32 93 33 00-0052	EA	30"	To 36" Buxus microphylla japonica - Japanese Boxwood.....	75.27	
32 93 33 00-0053	EA	12"	To 15" Buxus sempervirens - Common Boxwood.....	21.07	
32 93 33 00-0054	EA	15"	To 18" Buxus sempervirens - Common Boxwood.....	27.10	
32 93 33 00-0055	EA	18"	To 24" Buxus sempervirens - Common Boxwood.....	36.11	
32 93 33 00-0056	EA	24"	To 30" Buxus sempervirens - Common Boxwood.....	54.20	
32 93 33 00-0057	EA	2	Gallon Buxus Hybrid - Boxwood Cultivars.....	13.87	
32 93 33 00-0058	EA	5	Gallon Buxus Hybrid - Boxwood Cultivars.....	23.11	
32 93 33 00-0059	EA	5	Gallon Buxus microphylla & cvs - Little leaf Boxwood.....	60.75	
32 93 33 00-0060	EA	18"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	33.02	
32 93 33 00-0061	EA	24"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	44.90	
32 93 33 00-0062	EA	30"	B&B Buxus microphylla & cvs - Little leaf Boxwood.....	60.75	
32 93 33 00-0063	EA	5	Gallon Calycanthus floridus - Common Sweetshrub.....	21.79	
32 93 33 00-0064	EA	30"	B&B Calycanthus floridus - Common Sweetshrub.....	19.81	
32 93 33 00-0065	EA	36"	B&B Calycanthus floridus - Common Sweetshrub.....	26.41	
32 93 33 00-0066	EA	1	Gallon Camellia "Sasanqua" - Camellia.....	5.32	
32 93 33 00-0067	EA	3	Gallon Camellia "Sasanqua" - Camellia.....	11.35	
32 93 33 00-0068	EA	5	Gallon Camellia "Sasanqua" - Camellia.....	18.87	
32 93 33 00-0069	EA	7	Gallon Camellia "Sasanqua" - Camellia.....	28.10	
32 93 33 00-0070	EA	15	Gallon Camellia "Sasanqua" - Camellia.....	72.90	
32 93 33 00-0071	EA	1	Gallon Camellia japonica - Camellia.....	5.32	
32 93 33 00-0072	EA	3	Gallon Camellia japonica - Camellia.....	11.35	
32 93 33 00-0073	EA	5	Gallon Camellia japonica - Camellia.....	18.87	
32 93 33 00-0074	EA	5	Gallon Ceanothus americanus - New Jersey Tea.....	21.79	
32 93 33 00-0075	EA	5	Gallon Celastrus scandens - Bittersweet.....	21.79	
32 93 33 00-0076	EA	36"	B&B Celastrus scandens - Bittersweet.....	18.49	
32 93 33 00-0077	EA	5	Gallon Cephalanthus occidentalis - Buttonbush.....	21.79	
32 93 33 00-0078	EA	24"	B&B Cephalanthus occidentalis - Buttonbush.....	16.51	
32 93 33 00-0079	EA	30"	B&B Cephalanthus occidentalis - Buttonbush.....	18.49	
32 93 33 00-0080	EA	36"	B&B Cephalanthus occidentalis - Buttonbush.....	19.81	
32 93 33 00-0081	EA	18"	To 24" Chaenomeles speciosa - Flowering Quince.....	19.01	
32 93 33 00-0082	EA	2'	To 3' Chaenomeles speciosa - Flowering Quince.....	25.33	
32 93 33 00-0083	EA	3'	To 4' Chaenomeles speciosa - Flowering Quince.....	39.09	
32 93 33 00-0084	EA	3	Gallon Clethra alnifolia & cvs - Summersweet Clethra.....	21.13	
32 93 33 00-0085	EA	18"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	22.78	
32 93 33 00-0086	EA	24"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	25.42	
32 93 33 00-0087	EA	30"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	26.74	
32 93 33 00-0088	EA	36"	B&B Clethra alnifolia & cvs - Summersweet Clethra.....	31.37	
32 93 33 00-0089	EA	2'	To 3' Cornus mas - Cornelian Cherry.....	30.08	
32 93 33 00-0090	EA	3'	To 4' Cornus mas - Cornelian Cherry.....	37.60	
32 93 33 00-0091	EA	4'	To 5' Cornus mas - Cornelian Cherry.....	48.17	
32 93 33 00-0092	EA	5'	To 6' Cornus mas - Cornelian Cherry.....	66.19	
32 93 33 00-0093	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood.....	19.81	
32 93 33 00-0094	EA	36"	B&B Cornus alba & cvs - Tartarian Dogwood.....	13.87	
32 93 33 00-0095	EA	48"	B&B Cornus alba & cvs - Tartarian Dogwood.....	15.85	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 33 00-0096	EA	60" B&B Cornus alba & cvs - Tartarian Dogwood.....	19.81
32 93 33 00-0097	EA	72" B&B Cornus alba & cvs - Tartarian Dogwood.....	23.77
32 93 33 00-0098	EA	36" B&B Cornus amomum - Silky Dogwood.....	19.81
32 93 33 00-0099	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood.....	21.79
32 93 33 00-0100	EA	5 Gallon Cornus racemosa - Gray Dogwood.....	21.79
32 93 33 00-0101	EA	36" B&B Cornus racemosa - Gray Dogwood.....	19.81
32 93 33 00-0102	EA	48" B&B Cornus racemosa - Gray Dogwood.....	23.11
32 93 33 00-0103	EA	60" B&B Cornus racemosa - Gray Dogwood.....	25.09
32 93 33 00-0104	EA	72" B&B Cornus racemosa - Gray Dogwood.....	30.38
32 93 33 00-0105	EA	36" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	21.46
32 93 33 00-0106	EA	48" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	24.10
32 93 33 00-0107	EA	60" B&B Cornus sanguinea & cvs - Bloodtwig Dogwood.....	27.40
32 93 33 00-0108	EA	24" B&B Cornus sericea & cvs - Redosier Dogwood.....	17.17
32 93 33 00-0109	EA	30" B&B Cornus sericea & cvs - Redosier Dogwood.....	19.81
32 93 33 00-0110	EA	36" B&B Cornus sericea & cvs - Redosier Dogwood.....	21.13
32 93 33 00-0111	EA	48" B&B Cornus sericea & cvs - Redosier Dogwood.....	23.11
32 93 33 00-0112	EA	60" B&B Cornus sericea & cvs - Redosier Dogwood.....	25.75
32 93 33 00-0113	EA	5 Gallon Corylus americana - American Filbert.....	20.47
32 93 33 00-0114	EA	30" B&B Corylus americana - American Filbert.....	23.11
32 93 33 00-0115	EA	36" B&B Corylus americana - American Filbert.....	24.76
32 93 33 00-0116	EA	48" B&B Corylus americana - American Filbert.....	26.74
32 93 33 00-0117	EA	24" B&B Corylus avellana - Contorted Hazelnut.....	66.03
32 93 33 00-0118	EA	30" B&B Corylus avellana - Contorted Hazelnut.....	85.85
32 93 33 00-0119	EA	36" B&B Corylus avellana - Contorted Hazelnut.....	92.45
32 93 33 00-0120	EA	42" B&B Corylus avellana - Contorted Hazelnut.....	118.86
32 93 33 00-0121	EA	48" B&B Corylus avellana - Contorted Hazelnut.....	145.28
32 93 33 00-0122	EA	60" B&B Corylus avellana - Contorted Hazelnut.....	165.09
32 93 33 00-0123	EA	5' To 6' Cotinus coggygria - Smoke Tree.....	63.21
32 93 33 00-0124	EA	6' To 8' Cotinus coggygria - Smoke Tree.....	94.78
32 93 33 00-0125	EA	8' To 10' Cotinus coggygria - Smoke Tree.....	142.94
32 93 33 00-0126	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51
32 93 33 00-0127	EA	18" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	16.51
32 93 33 00-0128	EA	24" B&B Cotoneaster acutifolia & cvs - Peking Cotoneaster.....	17.17
32 93 33 00-0129	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster.....	15.82
32 93 33 00-0130	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17
32 93 33 00-0131	EA	18" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	16.51
32 93 33 00-0132	EA	24" B&B Cotoneaster apiculata & cvs - Cranberry Cotoneaster.....	17.17
32 93 33 00-0133	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster.....	6.81
32 93 33 00-0134	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster.....	21.07
32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	28.45
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	48.17
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	6.81
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	13.41
32 93 33 00-0139	EA	18" B&B Deutzia gracilis - Slender Deutzia.....	16.84
32 93 33 00-0140	EA	24" B&B Deutzia gracilis - Slender Deutzia.....	18.49
32 93 33 00-0141	EA	30" B&B Deutzia gracilis - Slender Deutzia.....	23.77
32 93 33 00-0142	EA	36" B&B Deutzia gracilis - Slender Deutzia.....	27.73
32 93 33 00-0143	EA	42" B&B Deutzia gracilis - Slender Deutzia.....	31.70
32 93 33 00-0144	EA	24" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	26.41
32 93 33 00-0145	EA	30" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	31.70
32 93 33 00-0146	EA	36" B&B Diervilla sessilifolia - Southern Bush Honeysuckle.....	36.98
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	9.91
32 93 33 00-0148	EA	36" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	23.77
32 93 33 00-0149	EA	48" B&B Diervilla splendens - Splendens Bush Honeysuckle.....	31.70
32 93 33 00-0150	EA	3' To 4' Elaeagnus umbellata - Autumn Olive.....	19.72
32 93 33 00-0151	EA	4' To 5' Elaeagnus umbellata - Autumn Olive.....	27.10
32 93 33 00-0152	EA	5' To 6' Elaeagnus umbellata - Autumn Olive.....	32.42
32 93 33 00-0153	EA	3' To 4' Elaeagnus angustifolia - Russian Olive.....	31.57
32 93 33 00-0154	EA	1 Gallon Euonymus - Gold Spot.....	5.68
32 93 33 00-0155	EA	2 Gallon Euonymus - Gold Spot.....	11.92
32 93 33 00-0156	EA	5 Gallon Euonymus - Gold Spot.....	16.39
32 93 33 00-0157	EA	1 Gallon Euonymus alatus - Winged Euonymus.....	4.84
32 93 33 00-0158	EA	3 Gallon Euonymus alatus - Winged Euonymus.....	13.97
32 93 33 00-0159	EA	24" B&B Euonymus alatus - Winged Euonymus.....	18.83
32 93 33 00-0160	EA	30" B&B Euonymus alatus - Winged Euonymus.....	23.54
32 93 33 00-0161	EA	36" B&B Euonymus alatus - Winged Euonymus.....	32.35
32 93 33 00-0162	EA	42" B&B Euonymus alatus - Winged Euonymus.....	39.94
32 93 33 00-0163	EA	48" B&B Euonymus alatus - Winged Euonymus.....	47.08
32 93 33 00-0164	EA	54" B&B Euonymus alatus - Winged Euonymus.....	60.75
32 93 33 00-0165	EA	5 Gallon Euonymus alatus - Winged Euonymus.....	17.47
32 93 33 00-0166	EA	60" B&B Euonymus alatus - Winged Euonymus.....	75.94
32 93 33 00-0167	EA	30" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	29.72
32 93 33 00-0168	EA	36" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	35.33
32 93 33 00-0169	EA	42" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	46.22
32 93 33 00-0170	EA	48" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	55.47
32 93 33 00-0171	EA	60" B&B Euonymus alatus compactus - Compact Winged Euonymus.....	68.68
32 93 33 00-0172	EA	18" To 24" Euonymus Alatus - Winged Burning Bush.....	21.07
32 93 33 00-0173	EA	2' To 2-1/2' Euonymus Alatus - Winged Burning Bush.....	24.83
32 93 33 00-0174	EA	2-1/2' To 3' Euonymus Alatus - Winged Burning Bush.....	33.91
32 93 33 00-0175	EA	3' To 3-1/2' Euonymus Alatus - Winged Burning Bush.....	40.65
32 93 33 00-0176	EA	3-1/2' To 4' Euonymus Alatus - Winged Burning Bush.....	51.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0177	EA	4'	To 5' Euonymus Alatus - Winged Burning Bush.....	72.22	
32 93 33 00-0178	EA	5'	To 6' Euonymus Alatus - Winged Burning Bush.....	90.31	
32 93 33 00-0179	EA	6'	To 8' Euonymus Alatus - Winged Burning Bush.....	105.35	
32 93 33 00-0180	EA	15"	To 18" Euonymus Alatus - Dwarf Winged Burning Bush.....	21.07	
32 93 33 00-0181	EA	18"	To 24" Euonymus Alatus - Dwarf Winged Burning Bush.....	24.05	
32 93 33 00-0182	EA	2'	To 2-1/2' Euonymus Alatus - Dwarf Winged Burning Bush.....	29.37	
32 93 33 00-0183	EA	2-1/2'	To 3' Euonymus Alatus - Dwarf Winged Burning Bush.....	41.43	
32 93 33 00-0184	EA	3'	To 3-1/2' Euonymus Alatus - Dwarf Winged Burning Bush.....	48.95	
32 93 33 00-0185	EA	3-1/2'	To 4' Euonymus Alatus - Dwarf Winged Burning Bush.....	58.67	
32 93 33 00-0186	EA	4'	To 5' Euonymus Alatus - Dwarf Winged Burning Bush.....	82.79	
32 93 33 00-0187	EA	5'	To 6' Euonymus Alatus - Dwarf Winged Burning Bush.....	97.83	
32 93 33 00-0188	EA	36"	B&B Euonymus atropurpurea - Eastern Wahoo.....	17.83	
32 93 33 00-0189	EA	1	Gallon Euonymus fortunei - Wintercreeper.....	6.81	
32 93 33 00-0190	EA	2	Gallon Euonymus fortunei - Wintercreeper.....	13.41	
32 93 33 00-0191	EA	3	Gallon Euonymus fortunei - Wintercreeper.....	16.39	
32 93 33 00-0192	EA	5	Gallon Euonymus fortunei - Wintercreeper.....	19.44	
32 93 33 00-0193	EA	2'	To 3' Forsythia - Korean Forsythia.....	15.04	
32 93 33 00-0194	EA	3'	To 4' Forsythia - Korean Forsythia.....	19.01	
32 93 33 00-0195	EA	4'	To 5' Forsythia - Korean Forsythia.....	23.69	
32 93 33 00-0196	EA	30"	B&B Forsythia cvs - Forsythia cultivars.....	15.19	
32 93 33 00-0197	EA	36"	B&B Forsythia cvs - Forsythia cultivars.....	16.84	
32 93 33 00-0198	EA	48"	B&B Forsythia cvs - Forsythia cultivars.....	18.16	
32 93 33 00-0199	EA	18"	B&B Forsythia viridissima & cvs - Green Forsythia.....	15.85	
32 93 33 00-0200	EA	24"	B&B Forsythia viridissima & cvs - Green Forsythia.....	21.13	
32 93 33 00-0201	EA	24"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	15.85	
32 93 33 00-0202	EA	30"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	18.49	
32 93 33 00-0203	EA	36"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	21.79	
32 93 33 00-0204	EA	42"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	25.09	
32 93 33 00-0205	EA	48"	B&B Forsythia x intermedia & cvs - Border Forsythia.....	29.06	
32 93 33 00-0206	EA	2	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	22.45	
32 93 33 00-0207	EA	3	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	31.37	
32 93 33 00-0208	EA	5	Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	33.02	
32 93 33 00-0209	EA	15"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	34.34	
32 93 33 00-0210	EA	18"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	36.98	
32 93 33 00-0211	EA	24"	B&B Fothergilla gardenii & cvs - Dwarf Fothergilla.....	44.90	
32 93 33 00-0212	EA	24"	B&B Fothergilla major - Large Fothergilla.....	58.11	
32 93 33 00-0213	EA	30"	B&B Fothergilla major - Large Fothergilla.....	66.03	
32 93 33 00-0214	EA	1	Gallon Gardenia jasminoides - Cape Jasmine.....	4.90	
32 93 33 00-0215	EA	3	Gallon Gardenia jasminoides - Cape Jasmine.....	12.84	
32 93 33 00-0216	EA	5	Gallon Gardenia jasminoides - Cape Jasmine.....	16.39	
32 93 33 00-0217	EA	36"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	46.22	
32 93 33 00-0218	EA	48"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	75.28	
32 93 33 00-0219	EA	60"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	95.09	
32 93 33 00-0220	EA	72"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	145.28	
32 93 33 00-0221	EA	84"	B&B Hamamelis vernalis & cvs - Vernal Witchhazel.....	165.09	
32 93 33 00-0222	EA	1	Gallon Hedychiium gartdnerum - Variegated Ginger.....	2.81	
32 93 33 00-0223	EA	3	Gallon Hedychiium gartdnerum - Variegated Ginger.....	9.87	
32 93 33 00-0224	EA	5	Gallon Hedychiium gartdnerum - Variegated Ginger.....	18.98	
32 93 33 00-0225	EA	1	Gallon Hibiscus rosa-sinensis - Hibiscus.....	7.20	
32 93 33 00-0226	EA	3	Gallon Hibiscus rosa-sinensis - Hibiscus.....	12.15	
32 93 33 00-0227	EA	5	Gallon Hibiscus rosa-sinensis - Hibiscus.....	18.38	
32 93 33 00-0228	EA	5	Gallon Hibiscus syriacus - Rose Of Sharon.....	19.01	
32 93 33 00-0229	EA	2'	To 3' Hibiscus syriacus - Rose Of Sharon.....	16.17	
32 93 33 00-0230	EA	3'	To 4' Hibiscus syriacus - Rose Of Sharon.....	21.85	
32 93 33 00-0231	EA	4'	To 5' Hibiscus syriacus - Rose Of Sharon.....	31.57	
32 93 33 00-0232	EA	5'	To 6' Hibiscus syriacus - Rose Of Sharon.....	43.63	
32 93 33 00-0233	EA	2	Gallon Hydrangea - Blue Hydrangea.....	13.41	
32 93 33 00-0234	EA	5	Gallon Hydrangea - Blue Hydrangea.....	18.87	
32 93 33 00-0235	EA	2'	To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	21.07	
32 93 33 00-0236	EA	3'	To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	24.05	
32 93 33 00-0237	EA	2	Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	13.41	
32 93 33 00-0238	EA	5	Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	23.11	
32 93 33 00-0239	EA	30"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	25.09	
32 93 33 00-0240	EA	36"	B&B Hydrangea arborescens & cvs - Smooth Hydrangea.....	29.06	
32 93 33 00-0241	EA	4	Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	30.38	
32 93 33 00-0242	EA	18"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	23.77	
32 93 33 00-0243	EA	24"	B&B Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	31.70	
32 93 33 00-0244	EA	3	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	13.87	
32 93 33 00-0245	EA	5	Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	16.51	
32 93 33 00-0246	EA	18"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	14.20	
32 93 33 00-0247	EA	24"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	15.19	
32 93 33 00-0248	EA	30"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	17.17	
32 93 33 00-0249	EA	36"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	19.81	
32 93 33 00-0250	EA	48"	B&B Hydrangea paniculata & cvs - Panicle Hydrangea.....	26.41	
32 93 33 00-0251	EA	18"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	19.15	
32 93 33 00-0252	EA	24"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	21.79	
32 93 33 00-0253	EA	30"	B&B Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	25.75	
32 93 33 00-0254	EA	2	Gallon Hypericum kalmianum - St. John's Wort.....	13.41	
32 93 33 00-0255	EA	3	Gallon Hypericum kalmianum - Kalm St. John's Wort.....	15.85	
32 93 33 00-0256	EA	24"	B&B Hypericum kalmianum - Kalm St. John's Wort.....	17.17	
32 93 33 00-0257	EA	1	Gallon Ilex "Carissa" - Holly.....	6.81	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
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32 93 33 00-0258	EA	2 Gallon Ilex "Carissa" - Holly	13.41	
32 93 33 00-0259	EA	5 Gallon Ilex "Carissa" - Holly	18.87	
32 93 33 00-0260	EA	18" To 24" Ilex - Gulfside Sweet Holly	18.09	
32 93 33 00-0261	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly	22.91	
32 93 33 00-0262	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly	29.72	
32 93 33 00-0263	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly	36.11	
32 93 33 00-0264	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	13.51	
32 93 33 00-0265	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	6.81	
32 93 33 00-0266	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.41	
32 93 33 00-0267	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	19.44	
32 93 33 00-0268	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	6.81	
32 93 33 00-0269	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	14.90	
32 93 33 00-0270	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	19.44	
32 93 33 00-0271	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	14.90	
32 93 33 00-0272	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	17.95	
32 93 33 00-0273	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	36.11	
32 93 33 00-0274	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	48.17	
32 93 33 00-0275	EA	2' To 3' Ilex opaca - American Holly	48.17	
32 93 33 00-0276	EA	3' To 4' Ilex opaca - American Holly	79.74	
32 93 33 00-0277	EA	4' To 5' Ilex opaca - American Holly	102.30	
32 93 33 00-0278	EA	5' To 6' Ilex opaca - American Holly	123.36	
32 93 33 00-0279	EA	6' To 7' Ilex opaca - American Holly	173.02	
32 93 33 00-0280	EA	7' To 8' Ilex opaca - American Holly	240.77	
32 93 33 00-0281	EA	8' To 10' Ilex opaca - American Holly	346.04	
32 93 33 00-0282	EA	10' To 12' Ilex opaca - American Holly	526.66	
32 93 33 00-0283	EA	12' To 14' Ilex opaca - American Holly	639.45	
32 93 33 00-0284	EA	14' To 16' Ilex opaca - American Holly	789.91	
32 93 33 00-0285	EA	2' To 3' Ilex verticillata - Winterberry (Female)	48.17	
32 93 33 00-0286	EA	3' To 4' Ilex verticillata - Winterberry (Female)	63.21	
32 93 33 00-0287	EA	2' To 3' Ilex verticillata - Winterberry (Male)	39.09	
32 93 33 00-0288	EA	3' To 4' Ilex verticillata - Winterberry (Male)	54.20	
32 93 33 00-0289	EA	4' To 5' Ilex verticillata - Winterberry (Male)	63.21	
32 93 33 00-0290	EA	1 Gallon Ilex vomitoria - Yaupon Holly	6.38	
32 93 33 00-0291	EA	3 Gallon Ilex vomitoria - Yaupon Holly	12.84	
32 93 33 00-0292	EA	10 Gallon Ilex vomitoria - Yaupon Holly	45.12	
32 93 33 00-0293	EA	18" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	20.47	
32 93 33 00-0294	EA	24" B&B Ilex glabra compacta & cvs - Compact Inkberry Holly	23.11	
32 93 33 00-0295	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	26.41	
32 93 33 00-0296	EA	18" B&B Ilex meserveae & cvs - Blue Holly	24.43	
32 93 33 00-0297	EA	24" B&B Ilex meserveae & cvs - Blue Holly	29.72	
32 93 33 00-0298	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0299	EA	24" B&B Ilex verticillata & cvs - Common Winterberry	21.79	
32 93 33 00-0300	EA	30" B&B Ilex verticillata & cvs - Common Winterberry	23.11	
32 93 33 00-0301	EA	36" B&B Ilex verticillata & cvs - Common Winterberry	27.73	
32 93 33 00-0302	EA	42" B&B Ilex verticillata & cvs - Common Winterberry	31.04	
32 93 33 00-0303	EA	48" B&B Ilex verticillata & cvs - Common Winterberry	33.02	
32 93 33 00-0304	EA	60" B&B Ilex verticillata & cvs - Common Winterberry	42.26	
32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly	78.25	
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly	103.78	
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly	92.86	
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly	180.54	
32 93 33 00-0309	EA	1 Gallon Jasimum - Jasmine	1.75	
32 93 33 00-0310	EA	3 Gallon Jasimum - Jasmine	6.83	
32 93 33 00-0311	EA	3 Gallon Jasimum - Orange Jasmine	5.32	
32 93 33 00-0312	EA	4' - 5' Jasimum - Orange Jasmine	60.75	
32 93 33 00-0313	EA	6' - 7' Jasimum - Orange Jasmine	121.50	
32 93 33 00-0314	EA	8' - 10' Jasimum - Orange Jasmine	164.03	
32 93 33 00-0315	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	23.11	
32 93 33 00-0316	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	25.75	
32 93 33 00-0317	EA	18" B&B Juniperus chinensis cvs - Chinese Juniper	34.34	
32 93 33 00-0318	EA	24" B&B Juniperus chinensis cvs - Chinese Juniper	44.90	
32 93 33 00-0319	EA	30" B&B Juniperus chinensis cvs - Chinese Juniper	52.83	
32 93 33 00-0320	EA	36" B&B Juniperus chinensis cvs - Chinese Juniper	71.32	
32 93 33 00-0321	EA	48" B&B Juniperus chinensis cvs - Chinese Juniper	97.73	
32 93 33 00-0322	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	11.01	
32 93 33 00-0323	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	23.11	
32 93 33 00-0324	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	25.75	
32 93 33 00-0325	EA	15" B&B Juniperus horizontalis cvs - Creeping Juniper	27.73	
32 93 33 00-0326	EA	18" B&B Juniperus horizontalis cvs - Creeping Juniper	30.38	
32 93 33 00-0327	EA	24" B&B Juniperus horizontalis cvs - Creeping Juniper	36.98	
32 93 33 00-0328	EA	30" B&B Juniperus horizontalis cvs - Creeping Juniper	44.90	
32 93 33 00-0329	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	17.83	
32 93 33 00-0330	EA	18" B&B Juniperus procumbens cvs - Japanese Garden Juniper	21.13	
32 93 33 00-0331	EA	24" B&B Juniperus procumbens cvs - Japanese Garden Juniper	29.06	
32 93 33 00-0332	EA	30" B&B Juniperus procumbens cvs - Japanese Garden Juniper	36.98	
32 93 33 00-0333	EA	36" B&B Juniperus procumbens cvs - Japanese Garden Juniper	44.90	
32 93 33 00-0334	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	16.51	
32 93 33 00-0335	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	19.81	
32 93 33 00-0336	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	17.17	
32 93 33 00-0337	EA	36" B&B Juniperus virginiana cvs - Red Cedar Juniper	33.02	
32 93 33 00-0338	EA	48" B&B Juniperus virginiana cvs - Red Cedar Juniper	51.51	



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 33 00-0339	EA 60" B&B Juniperus virginiana cvs - Red Cedar Juniper	64.71	
32 93 33 00-0340	EA 15" To 18" Kalmia latifolia - Mountain Laurel	27.10	
32 93 33 00-0341	EA 18" To 24" Kalmia latifolia - Mountain Laurel	36.11	
32 93 33 00-0342	EA 2' To 3' Kalmia latifolia - Mountain Laurel	52.64	
32 93 33 00-0343	EA 4' To 5' Kalmia latifolia - Mountain Laurel	96.26	
32 93 33 00-0344	EA 5' To 6' Kalmia latifolia - Mountain Laurel	147.48	
32 93 33 00-0345	EA 6' To 8' Kalmia latifolia - Mountain Laurel	225.73	
32 93 33 00-0346	EA 1 Gallon Kerria japonica - Kerria.....	6.03	
32 93 33 00-0347	EA 5 Gallon Kerria japonica - Kerria.....	18.87	
32 93 33 00-0348	EA 24" B&B Kolkwitzia amabilis & cvs - Beautybush	19.15	
32 93 33 00-0349	EA 30" B&B Kolkwitzia amabilis & cvs - Beautybush	21.79	
32 93 33 00-0350	EA 36" B&B Kolkwitzia amabilis & cvs - Beautybush	23.77	
32 93 33 00-0351	EA 42" B&B Kolkwitzia amabilis & cvs - Beautybush	27.73	
32 93 33 00-0352	EA 48" B&B Kolkwitzia amabilis & cvs - Beautybush	31.70	
32 93 33 00-0353	EA 60" B&B Kolkwitzia amabilis & cvs - Beautybush	39.62	
32 93 33 00-0354	EA 1 Gallon Lagerstroemia indica - Crepe Myrtle.....	4.54	
32 93 33 00-0355	EA 5 Gallon Lagerstroemia indica - Crepe Myrtle.....	16.17	
32 93 33 00-0356	EA 3' To 4' Lagerstroemia indica - Crepe Myrtle	22.56	
32 93 33 00-0357	EA 4' To 5' Lagerstroemia indica - Crepe Myrtle	33.13	
32 93 33 00-0358	EA 5' To 6' Lagerstroemia indica - Crepe Myrtle	52.64	
32 93 33 00-0359	EA 7' To 8' Lagerstroemia indica - Crepe Myrtle	68.35	
32 93 33 00-0360	EA 9' To 10' Lagerstroemia indica - Crepe Myrtle	91.13	
32 93 33 00-0361	EA 11' To 12' Lagerstroemia indica - Crepe Myrtle	189.85	
32 93 33 00-0362	EA 1 Gallon Leucothoe axillaris - Coast Leucothoe.....	6.81	
32 93 33 00-0363	EA 2 Gallon Leucothoe axillaris - Coast Leucothoe.....	14.90	
32 93 33 00-0364	EA 3 Gallon Leucothoe axillaris - Coast Leucothoe.....	17.95	
32 93 33 00-0365	EA 1 Gallon Ligustrum lucidum - Glossy Privet.....	4.19	
32 93 33 00-0366	EA 5 Gallon Ligustrum lucidum - Glossy Privet.....	12.84	
32 93 33 00-0367	EA 15 Gallon Ligustrum lucidum - Glossy Privet.....	60.16	
32 93 33 00-0368	EA 1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	4.19	
32 93 33 00-0369	EA 2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	9.01	
32 93 33 00-0370	EA 3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	11.71	
32 93 33 00-0371	EA 36" B&B Ligustrum vulgare & cvs - Common Privet	19.81	
32 93 33 00-0372	EA 48" B&B Ligustrum vulgare & cvs - Common Privet	29.06	
32 93 33 00-0373	EA 60" B&B Ligustrum vulgare & cvs - Common Privet	36.98	
32 93 33 00-0374	EA 72" B&B Ligustrum vulgare & cvs - Common Privet	42.26	
32 93 33 00-0375	EA 5 Gallon Lindera benzoin - Spicebush.....	21.79	
32 93 33 00-0376	EA 36" B&B Lindera benzoin - Spicebush.....	18.49	
32 93 33 00-0377	EA 48" B&B Lindera benzoin - Spicebush.....	22.45	
32 93 33 00-0378	EA 2' To 3' Lonicera fragrantissima - Winter Honeysuckle	36.11	
32 93 33 00-0379	EA 3' To 4' Lonicera fragrantissima - Winter Honeysuckle	43.63	
32 93 33 00-0380	EA 30" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	19.81	
32 93 33 00-0381	EA 36" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	23.77	
32 93 33 00-0382	EA 42" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	26.41	
32 93 33 00-0383	EA 48" B&B Lonicera tatarica & cvs - Tatarian Honeysuckle	29.06	
32 93 33 00-0384	EA 1 Gallon Myrica cerifera - Wax Myrtle.....	3.80	
32 93 33 00-0385	EA 4 Gallon Myrica cerifera - Wax Myrtle.....	12.15	
32 93 33 00-0386	EA 7 Gallon Myrica cerifera - Wax Myrtle.....	26.58	
32 93 33 00-0387	EA 10 Gallon Myrica cerifera - Wax Myrtle.....	39.49	
32 93 33 00-0388	EA 15 Gallon Myrica cerifera - Wax Myrtle.....	60.75	
32 93 33 00-0389	EA 45 Gallon Myrica cerifera - Wax Myrtle.....	182.26	
32 93 33 00-0390	EA 1' - 2' Myrica cerifera - Wax Myrtle.....	5.32	
32 93 33 00-0391	EA 3' - 4' Myrica cerifera - Wax Myrtle.....	18.23	
32 93 33 00-0392	EA 5' - 6' Myrica cerifera - Wax Myrtle.....	33.41	
32 93 33 00-0393	EA 7' - 8' Myrica cerifera - Wax Myrtle.....	45.56	
32 93 33 00-0394	EA 9' - 10' Myrica cerifera - Wax Myrtle.....	60.75	
32 93 33 00-0395	EA 11' - 12' Myrica cerifera - Wax Myrtle.....	92.65	
32 93 33 00-0396	EA 3 Gallon Myrica pensylvanica - Northern Bayberry.....	19.81	
32 93 33 00-0397	EA 24" B&B Myrica pensylvanica - Northern Bayberry.....	32.36	
32 93 33 00-0398	EA 30" B&B Myrica pensylvanica - Northern Bayberry.....	47.54	
32 93 33 00-0399	EA 36" B&B Myrica pensylvanica - Northern Bayberry.....	56.79	
32 93 33 00-0400	EA 48" B&B Myrica pensylvanica - Northern Bayberry.....	59.43	
32 93 33 00-0401	EA 1 Gallon Nandina domestica - Heavenly Bamboo	6.81	
32 93 33 00-0402	EA 2 Gallon Nandina domestica - Heavenly Bamboo	14.90	
32 93 33 00-0403	EA 5 Gallon Nandina domestica - Heavenly Bamboo	22.56	
32 93 33 00-0404	EA 1 Gallon Osmanthus fragrans - Fragrant Tea Olive	4.19	
32 93 33 00-0405	EA 3 Gallon Osmanthus fragrans - Fragrant Tea Olive	11.35	
32 93 33 00-0406	EA 1 Gallon Philadelphus - Evergreen Mockorange.....	5.82	
32 93 33 00-0407	EA 5 Gallon Philadelphus - Evergreen Mockorange.....	18.87	
32 93 33 00-0408	EA 36" B&B Philadelphus x virginalis & cvs - Mockorange.....	19.81	
32 93 33 00-0409	EA 42" B&B Philadelphus x virginalis & cvs - Mockorange.....	23.11	
32 93 33 00-0410	EA 48" B&B Philadelphus x virginalis & cvs - Mockorange.....	26.41	
32 93 33 00-0411	EA 24" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	19.81	
32 93 33 00-0412	EA 30" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	23.11	
32 93 33 00-0413	EA 36" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	26.41	
32 93 33 00-0414	EA 42" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	33.02	
32 93 33 00-0415	EA 48" B&B Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....	39.62	
32 93 33 00-0416	EA 12" To 15" Spread Pieris - Mountain Andromeda	18.23	
32 93 33 00-0417	EA 15" To 18" Spread Pieris - Mountain Andromeda	39.09	
32 93 33 00-0418	EA 12" To 15" Pieris japonica - Japanese Andromeda.....	23.69	
32 93 33 00-0419	EA 15" To 18" Pieris japonica - Japanese Andromeda.....	27.10	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0420 EA 18" To 24" Pieris japonica - Japanese Andromeda.....	33.91	
32 93 33 00-0421 EA 2' To 2-1/2' Pieris japonica - Japanese Andromeda.....	48.17	
32 93 33 00-0422 EA 2-1/2' To 3' Pieris japonica - Japanese Andromeda.....	57.18	
32 93 33 00-0423 EA 24" B&B Pinus mugo & cvs - Mugo Pine.....	33.02	
32 93 33 00-0424 EA 30" B&B Pinus mugo & cvs - Mugo Pine.....	42.26	
32 93 33 00-0425 EA 36" B&B Pinus mugo & cvs - Mugo Pine.....	50.85	
32 93 33 00-0426 EA 48" B&B Pinus mugo & cvs - Mugo Pine.....	65.37	
32 93 33 00-0427 EA 60" B&B Pinus mugo & cvs - Mugo Pine.....	78.58	
32 93 33 00-0428 EA 72" B&B Pinus mugo & cvs - Mugo Pine.....	114.90	
32 93 33 00-0429 EA 30" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	71.32	
32 93 33 00-0430 EA 36" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	85.85	
32 93 33 00-0431 EA 48" B&B Pinus mugo compacta - Dwarf Mugo Pine.....	114.24	
32 93 33 00-0432 EA 1 Gallon Pittosporum - Pittosporum.....	2.51	
32 93 33 00-0433 EA 3 Gallon Pittosporum - Pittosporum.....	6.45	
32 93 33 00-0434 EA 1 Gallon Pittosporum - Varigated Pittosporum.....	2.51	
32 93 33 00-0435 EA 3 Gallon Pittosporum - Varigated Pittosporum.....	6.45	
32 93 33 00-0436 EA 5 Gallon Pittosporum - Varigated Pittosporum.....	11.32	
32 93 33 00-0437 EA 2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	11.23	
32 93 33 00-0438 EA 5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	15.85	
32 93 33 00-0439 EA 18" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	11.89	
32 93 33 00-0440 EA 24" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	13.21	
32 93 33 00-0441 EA 30" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	19.15	
32 93 33 00-0442 EA 36" B&B Potentilla fruticosa & cvs - Bush Cinquefoil.....	22.12	
32 93 33 00-0443 EA 1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.54	
32 93 33 00-0444 EA 3 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	11.35	
32 93 33 00-0445 EA 15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	67.68	
32 93 33 00-0446 EA 15" To 18" Prunus laurocerasus - Cherry Laurel.....	17.31	
32 93 33 00-0447 EA 18" To 24" Prunus laurocerasus - Cherry Laurel.....	21.42	
32 93 33 00-0448 EA 24" To 30" Prunus laurocerasus - Cherry Laurel.....	27.88	
32 93 33 00-0449 EA 15" To 18" Prunus triloba - Double White Flowering Almond.....	15.46	
32 93 33 00-0450 EA 18" To 24" Prunus triloba - Double White Flowering Almond.....	19.79	
32 93 33 00-0451 EA 3' To 4' Prunus triloba - Double White Flowering Almond.....	31.57	
32 93 33 00-0452 EA 4' To 6' Prunus triloba - Double White Flowering Almond.....	63.21	
32 93 33 00-0453 EA 5 Gallon Prunus triloba - Pink Flowering Almond.....	19.01	
32 93 33 00-0454 EA 18" To 24" Prunus triloba - Pink Flowering Almond.....	21.35	
32 93 33 00-0455 EA 2' To 3' Prunus triloba - Pink Flowering Almond.....	24.83	
32 93 33 00-0456 EA 2' To 3' Prunus virginiana - Brilliant Chokeberry.....	16.88	
32 93 33 00-0457 EA 3' To 4' Prunus virginiana - Brilliant Chokeberry.....	20.71	
32 93 33 00-0458 EA 4' To 5' Prunus virginiana - Brilliant Chokeberry.....	24.83	
32 93 33 00-0459 EA 5' To 6' Prunus virginiana - Brilliant Chokeberry.....	28.45	
32 93 33 00-0460 EA 1 Gallon Punica granatum - Dwarf Pomegranate.....	4.47	
32 93 33 00-0461 EA 3 Gallon Punica granatum - Dwarf Pomegranate.....	13.20	
32 93 33 00-0462 EA 7 Gallon Punica granatum - Dwarf Pomegranate.....	27.10	
32 93 33 00-0463 EA 1 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha.....	5.68	
32 93 33 00-0464 EA 5 Gallon Pyracantha koidzumii "Santa Cruz" - Pyracantha.....	18.87	
32 93 33 00-0465 EA 5 Gallon Espalier Pyracantha koidzumii "Santa Cruz" - Pyracantha.....	39.09	
32 93 33 00-0466 EA 1 Gallon Ralphirolepis indica - Indian Hawthorne.....	4.54	
32 93 33 00-0467 EA 2 Gallon Ralphirolepis indica - Indian Hawthorne.....	8.65	
32 93 33 00-0468 EA 5 Gallon Ralphirolepis indica - Indian Hawthorne.....	15.39	
32 93 33 00-0469 EA 4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	34.62	
32 93 33 00-0470 EA 5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	47.46	
32 93 33 00-0471 EA 6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	61.72	
32 93 33 00-0472 EA 10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	112.86	
32 93 33 00-0473 EA 1 Gallon Rhododendron - Azalea Evergreen Hybrids.....	7.38	
32 93 33 00-0474 EA 2 Gallon Rhododendron - Azalea Evergreen Hybrids.....	14.90	
32 93 33 00-0475 EA 3 Gallon Rhododendron - Azalea Evergreen Hybrids.....	19.44	
32 93 33 00-0476 EA 5 Gallon Rhododendron - Azalea Evergreen Hybrids.....	22.56	
32 93 33 00-0477 EA 15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	26.39	
32 93 33 00-0478 EA 18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	33.13	
32 93 33 00-0479 EA 2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	48.17	
32 93 33 00-0480 EA 2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	67.68	
32 93 33 00-0481 EA 1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	8.30	
32 93 33 00-0482 EA 2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	14.90	
32 93 33 00-0483 EA 15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	25.61	
32 93 33 00-0484 EA 18' To 24' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	33.13	
32 93 33 00-0485 EA 2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	48.17	
32 93 33 00-0486 EA 3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	70.73	
32 93 33 00-0487 EA 4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	94.78	
32 93 33 00-0488 EA 5 Gallon Rhododendron - Boxleaf Azara.....	18.87	
32 93 33 00-0489 EA 15 Gallon Rhododendron - Boxleaf Azara.....	67.68	
32 93 33 00-0490 EA 15" To 18" Rhododendron - Carolina Rhododendron.....	21.35	
32 93 33 00-0491 EA 18" To 24" Rhododendron - Carolina Rhododendron.....	37.60	
32 93 33 00-0492 EA 24" To 30" Rhododendron - Carolina Rhododendron.....	55.69	
32 93 33 00-0493 EA 2' To 3' Rhododendron - Five-leafed Azalea.....	25.33	
32 93 33 00-0494 EA 3' To 4' Rhododendron - Five-leafed Azalea.....	33.13	
32 93 33 00-0495 EA 4' To 5' Rhododendron - Five-leafed Azalea.....	43.63	
32 93 33 00-0496 EA 15' To 18" Rhododendron - Ghent Azalea.....	25.33	
32 93 33 00-0497 EA 18" To 24" Rhododendron - Ghent Azalea.....	31.57	
32 93 33 00-0498 EA 2' To 3' Rhododendron - Ghent Azalea.....	51.15	
32 93 33 00-0499 EA 3' To 4' Rhododendron - Ghent Azalea.....	70.73	
32 93 33 00-0500 EA 4' To 5' Rhododendron - Ghent Azalea.....	94.78	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0501	EA		5' To 6' Rhododendron - Ghent Azalea.....	126.41	
32 93 33 00-0502	EA		1 Gallon Rhododendron - Hybrid Rhododendron.....	8.30	
32 93 33 00-0503	EA		2 Gallon Rhododendron - Hybrid Rhododendron.....	17.95	
32 93 33 00-0504	EA		3 Gallon Rhododendron - Hybrid Rhododendron.....	25.47	
32 93 33 00-0505	EA		5 Gallon Rhododendron - Hybrid Rhododendron.....	28.45	
32 93 33 00-0506	EA		15" To 18" Rhododendron - Hybrid Rhododendron.....	24.05	
32 93 33 00-0507	EA		18" To 24" Rhododendron - Hybrid Rhododendron.....	33.13	
32 93 33 00-0508	EA		24" To 30" Rhododendron - Hybrid Rhododendron.....	45.12	
32 93 33 00-0509	EA		30" To 36" Rhododendron - Hybrid Rhododendron.....	52.64	
32 93 33 00-0510	EA		36" To 42" Rhododendron - Hybrid Rhododendron.....	75.27	
32 93 33 00-0511	EA		42" To 48" Rhododendron - Hybrid Rhododendron.....	93.29	
32 93 33 00-0512	EA		15" To 18" Rhododendron - Pjm Rhododendron.....	27.10	
32 93 33 00-0513	EA		18" To 24" Rhododendron - Pjm Rhododendron.....	33.13	
32 93 33 00-0514	EA		2' To 2-1/2' Rhododendron - Pjm Rhododendron.....	48.17	
32 93 33 00-0515	EA		2-1/2 To 3' Rhododendron - Pjm Rhododendron.....	61.72	
32 93 33 00-0516	EA		3' To 3-1/2' Rhododendron - Pjm Rhododendron.....	75.27	
32 93 33 00-0517	EA		12" To 15" Rhododendron - Torch Azalea.....	21.07	
32 93 33 00-0518	EA		15" To 18" Rhododendron - Torch Azalea.....	25.33	
32 93 33 00-0519	EA		18" To 24" Rhododendron - Torch Azalea.....	31.57	
32 93 33 00-0520	EA		2' To 3' Rhododendron - Torch Azalea.....	52.64	
32 93 33 00-0521	EA		3 Gallon Rhododendron cvs - Lepidote Rhododendron.....	23.77	
32 93 33 00-0522	EA		5 Gallon Rhododendron cvs - Lepidote Rhododendron.....	29.06	
32 93 33 00-0523	EA		18" B&B Rhododendron cvs - Lepidote Rhododendron.....	35.66	
32 93 33 00-0524	EA		24" B&B Rhododendron cvs - Lepidote Rhododendron.....	44.90	
32 93 33 00-0525	EA		30" B&B Rhododendron cvs - Lepidote Rhododendron.....	52.83	
32 93 33 00-0526	EA		36" B&B Rhododendron cvs - Lepidote Rhododendron.....	63.39	
32 93 33 00-0527	EA		1 Gallon Rhus glabra - Dwarf Smooth Sumac.....	6.81	
32 93 33 00-0528	EA		5 Gallon Rhus glabra - Dwarf Smooth Sumac.....	18.87	
32 93 33 00-0529	EA		2 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	15.85	
32 93 33 00-0530	EA		5 Gallon Rhus aromatica & cvs - Fragrant Sumac.....	21.79	
32 93 33 00-0531	EA		18" B&B Rhus aromatica & cvs - Fragrant Sumac.....	25.09	
32 93 33 00-0532	EA		24" B&B Rhus aromatica & cvs - Fragrant Sumac.....	33.02	
32 93 33 00-0533	EA		36" B&B Rhus glabra - Smooth Sumac.....	19.81	
32 93 33 00-0534	EA		48" B&B Rhus typhina & cvs - Staghorn Sumac.....	33.02	
32 93 33 00-0535	EA		72" B&B Rhus typhina & cvs - Staghorn Sumac.....	52.83	
32 93 33 00-0536	EA		15" B&B Ribes alpinum & cvs - Alpine Currant.....	17.83	
32 93 33 00-0537	EA		18" B&B Ribes alpinum & cvs - Alpine Currant.....	20.47	
32 93 33 00-0538	EA		24" B&B Ribes alpinum & cvs - Alpine Currant.....	29.72	
32 93 33 00-0539	EA		30" B&B Ribes alpinum & cvs - Alpine Currant.....	39.62	
32 93 33 00-0540	EA		1 Gallon Rosa hybrids & cvs - Shrub Rose.....	10.90	
32 93 33 00-0541	EA		2 Gallon Rosa hybrids & cvs - Shrub Rose.....	13.21	
32 93 33 00-0542	EA		3 Gallon Rosa hybrids & cvs - Shrub Rose.....	16.51	
32 93 33 00-0543	EA		2 Gallon Rosa rugosa & cvs - Rugosa Rose.....	11.89	
32 93 33 00-0544	EA		3 Gallon Rosa rugosa & cvs - Rugosa Rose.....	15.19	
32 93 33 00-0545	EA		5 Gallon Sambucus canadensis - American Elder.....	21.79	
32 93 33 00-0546	EA		2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	9.79	
32 93 33 00-0547	EA		3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca.....	14.33	
32 93 33 00-0548	EA		1 Gallon Sarcococca humilis - Fragrant Sarcococca.....	5.32	
32 93 33 00-0549	EA		5 Gallon Sarcococca humilis - Fragrant Sarcococca.....	13.90	
32 93 33 00-0550	EA		1 Gallon Skimmia japonica - Japanese Skimmia.....	6.81	
32 93 33 00-0551	EA		2 Gallon Skimmia japonica - Japanese Skimmia.....	13.55	
32 93 33 00-0552	EA		5 Gallon Skimmia japonica - Japanese Skimmia.....	21.85	
32 93 33 00-0553	EA		3' To 4' Spiraea - Garland Spirea.....	31.57	
32 93 33 00-0554	EA		4' To 5' Spiraea - Garland Spirea.....	48.17	
32 93 33 00-0555	EA		5 Gallon Spiraea - Snowmound Spirea.....	18.87	
32 93 33 00-0556	EA		18" To 24" Spiraea - Snowmound Spirea.....	15.46	
32 93 33 00-0557	EA		2' To 3' Spiraea - Snowmound Spirea.....	21.85	
32 93 33 00-0558	EA		3' To 4' Spiraea - Snowmound Spirea.....	25.33	
32 93 33 00-0559	EA		4' To 5' Spiraea - Snowmound Spirea.....	43.63	
32 93 33 00-0560	EA		1 Gallon Spiraea japonica & cvs - Japanese Spirea.....	6.81	
32 93 33 00-0561	EA		2 Gallon Spiraea japonica & cvs - Japanese Spirea.....	13.41	
32 93 33 00-0562	EA		3 Gallon Spiraea japonica & cvs - Japanese Spirea.....	15.52	
32 93 33 00-0563	EA		5 Gallon Spiraea japonica & cvs - Japanese Spirea.....	16.84	
32 93 33 00-0564	EA		18" B&B Spiraea japonica & cvs - Japanese Spirea.....	17.17	
32 93 33 00-0565	EA		24" B&B Spiraea japonica & cvs - Japanese Spirea.....	19.81	
32 93 33 00-0566	EA		30" B&B Spiraea japonica & cvs - Japanese Spirea.....	22.45	
32 93 33 00-0567	EA		36" B&B Spiraea japonica & cvs - Japanese Spirea.....	26.08	
32 93 33 00-0568	EA		2 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	10.57	
32 93 33 00-0569	EA		5 Gallon Spiraea nipponica & cvs - Nippon Spiraea.....	15.85	
32 93 33 00-0570	EA		18" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	14.53	
32 93 33 00-0571	EA		24" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	17.17	
32 93 33 00-0572	EA		30" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	19.81	
32 93 33 00-0573	EA		36" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	22.45	
32 93 33 00-0574	EA		48" B&B Spiraea nipponica & cvs - Nippon Spiraea.....	29.06	
32 93 33 00-0575	EA		1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	6.81	
32 93 33 00-0576	EA		2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	12.22	
32 93 33 00-0577	EA		4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea.....	15.85	
32 93 33 00-0578	EA		18" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	13.87	
32 93 33 00-0579	EA		24" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	16.84	
32 93 33 00-0580	EA		30" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	19.81	
32 93 33 00-0581	EA		36" B&B Spiraea x bumalda & cvs - Bumalda Spirea.....	22.45	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION TOTAL DIRECT UNIT COST DEMOLITION UNIT COST

32 93 33 00-0582	EA	5	Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85
32 93 33 00-0583	EA	18"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	15.85
32 93 33 00-0584	EA	24"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	18.49
32 93 33 00-0585	EA	30"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	25.09
32 93 33 00-0586	EA	36"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.06
32 93 33 00-0587	EA	42"	B&B Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.34
32 93 33 00-0588	EA	5	Gallon Staphylea trifolia - Bladdernut	22.29
32 93 33 00-0589	EA	2	Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	15.85
32 93 33 00-0590	EA	5	Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	17.17
32 93 33 00-0591	EA	24"	B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	19.81
32 93 33 00-0592	EA	30"	B&B Stephanandra incisa & cvs - Cutleaf Stephanadra	23.77
32 93 33 00-0593	EA	2	Gallon Symphoricarpos albus - Common Snowberry	16.51
32 93 33 00-0594	EA	5	Gallon Symphoricarpos albus - Common Snowberry	17.50
32 93 33 00-0595	EA	24"	B&B Syringa meyeri & cvs - Meyer Lilac	29.06
32 93 33 00-0596	EA	30"	B&B Syringa meyeri & cvs - Meyer Lilac	36.32
32 93 33 00-0597	EA	36"	B&B Syringa meyeri & cvs - Meyer Lilac	42.26
32 93 33 00-0598	EA	42"	B&B Syringa meyeri & cvs - Meyer Lilac	48.87
32 93 33 00-0599	EA	18"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	29.06
32 93 33 00-0600	EA	24"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	31.70
32 93 33 00-0601	EA	30"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	36.32
32 93 33 00-0602	EA	36"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	42.26
32 93 33 00-0603	EA	42"	B&B Syringa patula 'Miss Kim' - Miss Kim Lilac	48.87
32 93 33 00-0604	EA	60"	B&B Syringa villosa & cvs - Late Lilac	23.11
32 93 33 00-0605	EA	72"	B&B Syringa villosa & cvs - Late Lilac	25.09
32 93 33 00-0606	EA	36"	B&B Syringa vulgaris & cvs - Common Lilac	19.81
32 93 33 00-0607	EA	42"	B&B Syringa vulgaris & cvs - Common Lilac	22.45
32 93 33 00-0608	EA	48"	B&B Syringa vulgaris & cvs - Common Lilac	25.09
32 93 33 00-0609	EA	60"	B&B Syringa vulgaris & cvs - Common Lilac	29.06
32 93 33 00-0610	EA	72"	B&B Syringa vulgaris & cvs - Common Lilac	35.66
32 93 33 00-0611	EA	5	Gallon Syringa x chinensis & cvs - Chinese Lilac	16.51
32 93 33 00-0612	EA	36"	B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	19.15
32 93 33 00-0613	EA	48"	B&B Syringa x hyacinthiflora & cvs - Hybrid Lilac	25.09
32 93 33 00-0614	EA	48"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	105.00
32 93 33 00-0615	EA	54"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	117.54
32 93 33 00-0616	EA	60"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	129.43
32 93 33 00-0617	EA	72"	B&B Taxus cuspidata capitata - Capitata Japanese Yew	155.84
32 93 33 00-0618	EA	18"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	27.73
32 93 33 00-0619	EA	24"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	36.32
32 93 33 00-0620	EA	30"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	42.26
32 93 33 00-0621	EA	36"	B&B Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	46.22
32 93 33 00-0622	EA	15"	B&B Taxus x media & cvs - Anglojap Yew	27.73
32 93 33 00-0623	EA	18"	B&B Taxus x media & cvs - Anglojap Yew	36.32
32 93 33 00-0624	EA	24"	B&B Taxus x media & cvs - Anglojap Yew	42.92
32 93 33 00-0625	EA	30"	B&B Taxus x media & cvs - Anglojap Yew	50.85
32 93 33 00-0626	EA	36"	B&B Taxus x media & cvs - Anglojap Yew	76.60
32 93 33 00-0627	EA	36"	B&B Thuja occidentalis & cvs - Upright Arborvitae	42.26
32 93 33 00-0628	EA	48"	B&B Thuja occidentalis & cvs - Upright Arborvitae	56.79
32 93 33 00-0629	EA	60"	B&B Thuja occidentalis & cvs - Upright Arborvitae	85.85
32 93 33 00-0630	EA	72"	B&B Thuja occidentalis & cvs - Upright Arborvitae	125.47
32 93 33 00-0631	EA	84"	B&B Thuja occidentalis & cvs - Upright Arborvitae	143.96
32 93 33 00-0632	EA	96"	B&B Thuja occidentalis & cvs - Upright Arborvitae	167.07
32 93 33 00-0633	EA	15"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	18.49
32 93 33 00-0634	EA	18"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	25.75
32 93 33 00-0635	EA	24"	B&B Thuja occidentalis cvs - Dwarf Arborvitae	36.32
32 93 33 00-0636	EA	3'	To 4' Viburnum dilatatum - Linden Viburnum	31.57
32 93 33 00-0637	EA	4'	To 5' Viburnum dilatatum - Linden Viburnum	48.17
32 93 33 00-0638	EA	5'	To 6' Viburnum dilatatum - Linden Viburnum	63.21
32 93 33 00-0639	EA	1	Gallon Viburnum japonicum - Japanese Viburnum	3.83
32 93 33 00-0640	EA	3	Gallon Viburnum japonicum - Japanese Viburnum	10.50
32 93 33 00-0641	EA	5	Gallon Viburnum plicatum - Japanese Snowball	18.87
32 93 33 00-0642	EA	5'	To 6' Viburnum plicatum - Japanese Snowball	70.73
32 93 33 00-0643	EA	2'	To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	33.13
32 93 33 00-0644	EA	3'	To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	39.09
32 93 33 00-0645	EA	4'	To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	54.98
32 93 33 00-0646	EA	30"	B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	36.32
32 93 33 00-0647	EA	36"	B&B Viburnum burkwoodii & cvs - Burkwood Viburnum	43.58
32 93 33 00-0648	EA	24"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	33.02
32 93 33 00-0649	EA	30"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	39.62
32 93 33 00-0650	EA	36"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	46.22
32 93 33 00-0651	EA	42"	B&B Viburnum carlesii & cvs - Korean Spice Viburnum	52.83
32 93 33 00-0652	EA	36"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	18.49
32 93 33 00-0653	EA	42"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	19.81
32 93 33 00-0654	EA	48"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	23.11
32 93 33 00-0655	EA	60"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	26.41
32 93 33 00-0656	EA	72"	B&B Viburnum dentatum & cvs - Arrowwood Viburnum	29.06
32 93 33 00-0657	EA	30"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	17.83
32 93 33 00-0658	EA	36"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	19.81
32 93 33 00-0659	EA	42"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	25.09
32 93 33 00-0660	EA	48"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	29.06
32 93 33 00-0661	EA	60"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	39.62
32 93 33 00-0662	EA	72"	B&B Viburnum lantana & cvs - Wayfaringtree Viburnum	47.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0663	EA		36" B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	19.81	
32 93 33 00-0664	EA		48" B&B Viburnum lentago & cvs - Nannyberry Viburnum.....	26.41	
32 93 33 00-0665	EA		5' B&B Viburnum lentago & cvs - Nannyberry Viburnum	33.02	
32 93 33 00-0666	EA		6' B&B Viburnum lentago & cvs - Nannyberry Viburnum	46.22	
32 93 33 00-0667	EA		7' B&B Viburnum lentago & cvs - Nannyberry Viburnum	66.03	
32 93 33 00-0668	EA		8' B&B Viburnum lentago & cvs - Nannyberry Viburnum	92.45	
32 93 33 00-0669	EA		9' B&B Viburnum lentago & cvs - Nannyberry Viburnum	118.86	
32 93 33 00-0670	EA		30" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	23.77	
32 93 33 00-0671	EA		36" B&B Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	26.41	
32 93 33 00-0672	EA		36" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	47.54	
32 93 33 00-0673	EA		48" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	72.64	
32 93 33 00-0674	EA		60" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	92.45	
32 93 33 00-0675	EA		72" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	112.26	
32 93 33 00-0676	EA		84" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	138.67	
32 93 33 00-0677	EA		96" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	165.09	
32 93 33 00-0678	EA		108" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	198.10	
32 93 33 00-0679	EA		120" B&B Viburnum prunifolium & cvs - Blackhaw Viburnum	231.12	
32 93 33 00-0680	EA		30" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	20.14	
32 93 33 00-0681	EA		36" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	22.12	
32 93 33 00-0682	EA		48" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	25.09	
32 93 33 00-0683	EA		60" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	29.06	
32 93 33 00-0684	EA		72" B&B Viburnum sargentii & cvs - Sargent Viburnum.....	33.35	
32 93 33 00-0685	EA		18" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	19.15	
32 93 33 00-0686	EA		24" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	23.11	
32 93 33 00-0687	EA		30" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	27.73	
32 93 33 00-0688	EA		36" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	31.70	
32 93 33 00-0689	EA		42" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	38.30	
32 93 33 00-0690	EA		48" B&B Viburnum trilobum & cvs - American Cranberry Viburnum	42.26	
32 93 33 00-0691	EA		30" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	33.02	
32 93 33 00-0692	EA		36" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	39.62	
32 93 33 00-0693	EA		42" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	46.22	
32 93 33 00-0694	EA		48" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	52.83	
32 93 33 00-0695	EA		60" B&B Viburnum x carlcephalum & cvs - Fragrant Viburnum	59.43	
32 93 33 00-0696	EA		30" B&B Viburnum x juddii & cvs - Judd Viburnum.....	42.26	
32 93 33 00-0697	EA		36" B&B Viburnum x juddii & cvs - Judd Viburnum.....	47.54	
32 93 33 00-0698	EA		42" B&B Viburnum x juddii & cvs - Judd Viburnum.....	54.15	
32 93 33 00-0699	EA		48" B&B Viburnum x juddii & cvs - Judd Viburnum.....	62.07	
32 93 33 00-0700	EA		2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	39.09	
32 93 33 00-0701	EA		3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	48.17	
32 93 33 00-0702	EA		4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	70.73	
32 93 33 00-0703	EA		5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	21.79	
32 93 33 00-0704	EA		24" B&B Weigela florida & cvs - Old Fashioned Weigela.....	19.81	
32 93 33 00-0705	EA		30" B&B Weigela florida & cvs - Old Fashioned Weigela.....	22.45	
32 93 33 00-0706	EA		36" B&B Weigela florida & cvs - Old Fashioned Weigela.....	25.09	
32 93 33 00-0707	EA		42" B&B Weigela florida & cvs - Old Fashioned Weigela.....	29.06	
32 93 33 00-0708	EA		48" B&B Weigela florida & cvs - Old Fashioned Weigela.....	33.02	
32 93 33 00-0709	EA		1 Gallon Xylosma congestum - Shiny Xylosma	4.54	
32 93 33 00-0710	EA		5 Gallon Xylosma congestum - Shiny Xylosma	12.84	
32 93 33 00-0711	EA		15 Gallon Xylosma congestum - Shiny Xylosma	56.47	
32 93 33 00-0712	EA		1 Gallon Yucca aloifolia - Spanish Bayonet.....	3.83	
32 93 33 00-0713	EA		3 Gallon Yucca aloifolia - Spanish Bayonet.....	10.14	
32 93 33 00-0714	EA		1 Gallon Yucca filamentosa - Adams Needle.....	5.32	
32 93 33 00-0715	EA		3 Gallon Yucca filamentosa - Adams Needle.....	10.36	
32 93 33 00-0716	EA		5 Gallon Yucca filamentosa - Adams Needle.....	16.39	
32 93 33 00-0717	EA		5 Gallon Border Forsythia - Goldenbells.....	18.23	
32 93 33 00-0718	EA		2' To 3' Border Forsythia - Goldenbells.....	15.04	
32 93 33 00-0719	EA		3' To 4' Border Forsythia - Goldenbells.....	19.01	
32 93 33 00-0720	EA		4' To 5' Border Forsythia - Goldenbells.....	23.69	
32 93 33 00-0721	EA		5' To 6' Border Forsythia - Goldenbells.....	28.45	
32 93 33 00-0722	EA		6' To 8' Border Forsythia - Goldenbells.....	39.09	
32 93 33 00-0723	EA		3' Juniperus chinensis - Columnar Chinese Juniper	38.73	
32 93 33 00-0724	EA		4' Juniperus chinensis - Columnar Chinese Juniper	53.16	
32 93 33 00-0725	EA		5' Juniperus chinensis - Columnar Chinese Juniper	83.53	
32 93 33 00-0726	EA		6' Juniperus chinensis - Columnar Chinese Juniper	97.20	
32 93 33 00-0727	EA		7' Juniperus chinensis - Columnar Chinese Juniper	127.58	
32 93 33 00-0728	EA		2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	7.59	
32 93 33 00-0729	EA		3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	10.63	
32 93 33 00-0730	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	25.74	
32 93 33 00-0731	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	7.59	
32 93 33 00-0732	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	10.63	

32 93 43 Trees (32 93)
 Note: (cvs = cultivar) materials only.

32 93 43 00-0001 Ornamental Trees (32 93 43)
 Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	117.80
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	143.98
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	163.61
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	189.79

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	215.96	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	255.23	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	341.30	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	418.84	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	523.55	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	104.71	
32 93 43 00-0012	EA	1-1/2" Caliber Aesculus californica - California Buckeye.....	261.77	
32 93 43 00-0013	EA	2" Caliber Aesculus californica - California Buckeye.....	340.31	
32 93 43 00-0014	EA	2-1/2" Caliber Aesculus californica - California Buckeye.....	392.66	
32 93 43 00-0015	EA	3" Caliber Aesculus californica - California Buckeye.....	445.02	
32 93 43 00-0016	EA	3-1/2" Caliber Aesculus californica - California Buckeye.....	523.55	
32 93 43 00-0017	EA	36" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	52.83	
32 93 43 00-0018	EA	48" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	66.03	
32 93 43 00-0019	EA	60" B&B Amelanchier alnifolia & cvs - Saskatoon Serviceberry.....	81.88	
32 93 43 00-0020	EA	60" B&B Amelanchier arborea & cvs - Downy Serviceberry	66.03	
32 93 43 00-0021	EA	72" B&B Amelanchier arborea & cvs - Downy Serviceberry	79.24	
32 93 43 00-0022	EA	7' B&B Amelanchier arborea & cvs - Downy Serviceberry	92.45	
32 93 43 00-0023	EA	8' B&B Amelanchier arborea & cvs - Downy Serviceberry	105.66	
32 93 43 00-0024	EA	5' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	118.86	
32 93 43 00-0025	EA	6' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	132.07	
32 93 43 00-0026	EA	7' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	151.88	
32 93 43 00-0027	EA	8' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	171.69	
32 93 43 00-0028	EA	9' B&B Amelanchier canadensis & cvs - Shadblow Serviceberry	198.10	
32 93 43 00-0029	EA	7' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	151.88	
32 93 43 00-0030	EA	8' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	178.29	
32 93 43 00-0031	EA	9' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	204.71	
32 93 43 00-0032	EA	10' B&B Amelanchier laevis & cvs - Allegheny Serviceberry	224.52	
32 93 43 00-0033	EA	30" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	52.83	
32 93 43 00-0034	EA	48" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	112.26	
32 93 43 00-0035	EA	60" B&B Amelanchier stolonifera & cvs - Running Serviceberry.....	145.28	
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry	16.08	
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry	16.87	
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry	20.08	
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry	23.96	
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud	73.30	
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud	100.85	
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	207.72	
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud	252.87	
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia.....	24.80	
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia.....	37.21	
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia.....	46.51	
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia.....	57.93	
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	98.17	
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	130.89	
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	170.15	
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	189.79	
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	229.05	
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	255.23	
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	98.17	
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	130.89	
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	170.15	
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	189.79	
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	229.05	
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	255.23	
32 93 43 00-0060	EA	1 Gallon Platanus Racemosa - California Sycamore	7.13	
32 93 43 00-0061	EA	5 Gallon Platanus Racemosa - California Sycamore	20.40	
32 93 43 00-0062	EA	15 Gallon Platanus Racemosa - California Sycamore	61.22	
32 93 43 00-0063	EA	24" Box Platanus Racemosa - California Sycamore	163.27	
32 93 43 00-0064	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	8.15	
32 93 43 00-0065	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore.....	34.52	
32 93 43 00-0066	EA	20 Gallon Prunus subhirtella - Flowering Cherry	92.03	
32 93 43 00-0067	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry.....	95.13	
32 93 43 00-0068	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	118.90	
32 93 43 00-0069	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry.....	248.14	
32 93 43 00-0070	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry.....	191.25	
32 93 43 00-0071	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry.....	372.22	
32 93 43 00-0072	EA	5 Gallon Prunus cerasifera - Thundercloud Flowering Plum.....	23.77	
32 93 43 00-0073	EA	15 Gallon Prunus cerasifera - Thundercloud Flowering Plum.....	65.11	
32 93 43 00-0074	EA	20 Gallon Prunus cerasifera - Thundercloud Flowering Plum.....	84.80	
32 93 43 00-0075	EA	5' To 6' Prunus cerasifera - Thundercloud Flowering Plum.....	26.87	
32 93 43 00-0076	EA	6' To 8' Prunus cerasifera - Thundercloud Flowering Plum.....	51.68	
32 93 43 00-0077	EA	1-1/2" To 2" Caliper Prunus cerasifera - Thundercloud Flowering Plum.....	95.13	
32 93 43 00-0078	EA	2" To 2-1/2" Caliper Prunus cerasifera - Thundercloud Flowering Plum.....	113.74	
32 93 43 00-0079	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry.....	74.46	
32 93 43 00-0080	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	62.01	
32 93 43 00-0081	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry.....	90.95	
32 93 43 00-0082	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry.....	108.57	
32 93 43 00-0083	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry.....	139.58	
32 93 43 00-0084	EA	15 Gallon Pyrus - Aristocrat Flowering Pear	71.85	
32 93 43 00-0085	EA	20 Gallon Pyrus - Aristocrat Flowering Pear	89.82	
32 93 43 00-0086	EA	1-1/2" To 2" Caliper Pyrus - Aristocrat Flowering Pear	93.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0087 EA 2" To 2-1/2" Caliper Pyrus - Aristocrat Flowering Pear	111.37	
32 93 43 00-0088 EA 2-1/2" To 3" Caliper Pyrus - Aristocrat Flowering Pear	150.89	
32 93 43 00-0089 EA 3" To 3-1/2" Caliper Pyrus - Aristocrat Flowering Pear	197.60	
32 93 43 00-0090 EA 3-1/2" To 4" Caliper Pyrus - Aristocrat Flowering Pear	251.49	
32 93 43 00-0091 EA 15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	71.85	
32 93 43 00-0092 EA 20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	89.82	
32 93 43 00-0093 EA 1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	61.08	
32 93 43 00-0094 EA 2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	93.41	
32 93 43 00-0095 EA 2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	111.28	
32 93 43 00-0096 EA 3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	150.89	
32 93 43 00-0097 EA 3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	197.60	
32 93 43 00-0098 EA 1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	130.89	
32 93 43 00-0099 EA 2" Caliper Pyrus calleryana & cvs - Callery Pear	163.61	
32 93 43 00-0100 EA 2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	202.87	
32 93 43 00-0101 EA 3" Caliper Pyrus calleryana & cvs - Callery Pear	229.05	
32 93 43 00-0102 EA 3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	255.23	
32 93 43 00-0103 EA 4" Caliper Pyrus calleryana & cvs - Callery Pear	327.22	
32 93 43 00-0104 EA 1 Gallon Quercus agrifolia - Coast Live Oak	7.13	
32 93 43 00-0105 EA 5 Gallon Quercus agrifolia - Coast Live Oak	20.40	
32 93 43 00-0106 EA 15 Gallon Quercus agrifolia - Coast Live Oak	61.22	
32 93 43 00-0107 EA 24" Box Quercus agrifolia - Coast Live Oak	214.29	
32 93 43 00-0108 EA 1 Gallon Rhamnus californica - Coffeeberry	7.13	
32 93 43 00-0109 EA 5 Gallon Rhamnus californica - Coffeeberry	20.40	
32 93 43 00-0110 EA 15 Gallon Rhamnus californica - Coffeeberry	61.22	
32 93 43 00-0111 EA 1 Gallon Rhus integrifolia - Lemonade Berry	7.13	
32 93 43 00-0112 EA 5 Gallon Rhus integrifolia - Lemonade Berry	20.40	
32 93 43 00-0113 EA 15 Gallon Rhus integrifolia - Lemonade Berry	61.22	
32 93 43 00-0114 EA 24" Box Rhus integrifolia - Lemonade Berry	204.09	
32 93 43 00-0115 EA 1 Gallon Ribes aureum - Golden Currant	7.13	
32 93 43 00-0116 EA 5 Gallon Ribes aureum - Golden Currant	20.40	
32 93 43 00-0117 EA 1 Gallon Ribes sanguineum - Red Flowering Currant	7.13	
32 93 43 00-0118 EA 5 Gallon Ribes sanguineum - Red Flowering Currant	20.40	
32 93 43 00-0119 EA 1 Gallon Ribes speciosum - Flowering Gooseberry	7.13	
32 93 43 00-0120 EA 5 Gallon Ribes speciosum - Flowering Gooseberry	20.40	
32 93 43 00-0121 EA 1 Gallon Ribes viburnifolium - Evergreen Currant	7.13	
32 93 43 00-0122 EA 5 Gallon Ribes viburnifolium - Evergreen Currant	20.40	
32 93 43 00-0123 EA 8' Cassia leptophlia - Gold Medallion Tree	194.90	
32 93 43 00-0124 EA 10' Cassia leptophlia - Gold Medallion Tree	247.37	
32 93 43 00-0125 EA 12' Cassia leptophlia - Gold Medallion Tree	299.84	
32 93 43 00-0126 EA 6' Magnolia grandiflora 'St. Mary's'	224.88	
32 93 43 00-0127 EA 8' Magnolia grandiflora 'St. Mary's'	397.29	
32 93 43 00-0128 EA 10' Magnolia grandiflora 'St. Mary's'	499.23	
32 93 43 00-0129 EA 12' Magnolia grandiflora 'St. Mary's'	599.68	
32 93 43 00-0130 EA 14' Magnolia grandiflora 'St. Mary's'	697.13	
32 93 43 00-0131 EA 16' Magnolia grandiflora 'St. Mary's'	824.56	
32 93 43 00-0132 EA 24" Box Magnolia grandiflora 'St. Mary's'	247.37	
32 93 43 00-0133 EA 6' Prunus cerasifera - Purple Leaf Plum	116.94	
32 93 43 00-0134 EA 8' Prunus cerasifera - Purple Leaf Plum	134.93	
32 93 43 00-0135 EA 10' Prunus cerasifera - Purple Leaf Plum	173.91	
32 93 43 00-0136 EA 24" Box Prunus cerasifera - Purple Leaf Plum	185.15	
32 93 43 00-0137 EA 30" Box Prunus cerasifera - Purple Leaf Plum	374.80	
32 93 43 00-0138 EA 36" Box Prunus cerasifera - Purple Leaf Plum	574.94	
32 93 43 00-0139 EA 6' Pittosporum phylliraeoides - Willow Pittosporum	244.37	
32 93 43 00-0140 EA 8' Pittosporum phylliraeoides - Willow Pittosporum	349.31	
32 93 43 00-0141 EA 10' Pittosporum phylliraeoides - Willow Pittosporum	418.28	
32 93 43 00-0142 EA 12' Pittosporum phylliraeoides - Willow Pittosporum	539.71	
32 93 43 00-0143 EA 6' Stenocarpus sinuatus - Firewheel Tree	359.81	
32 93 43 00-0144 EA 8' Stenocarpus sinuatus - Firewheel Tree	479.74	
32 93 43 00-0145 EA 10" Stenocarpus sinuatus - Firewheel Tree	599.68	
32 93 43 00-0146 EA 12' Stenocarpus sinuatus - Firewheel Tree	719.62	
32 93 43 00-0147 EA 24" Box Tabebuia ipi - Pink Trumpet	349.31	
32 93 43 00-0148 EA 36" Box Tabebuia ipi - Pink Trumpet	929.50	
32 93 43 00-0149 EA 1-1/2" Caliber Arbutus menziesii - Madrona	260.73	
32 93 43 00-0150 EA 2" Caliber Arbutus menziesii - Madrona	338.95	
32 93 43 00-0151 EA 2-1/2" Caliber Arbutus menziesii - Madrona	391.10	
32 93 43 00-0152 EA 3" Caliber Arbutus menziesii - Madrona	443.24	
32 93 43 00-0153 EA 3-1/2" Caliber Arbutus menziesii - Madrona	521.46	
32 93 43 00-0154 EA 1-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern	179.90	
32 93 43 00-0155 EA 2" Caliber Koelreuteria bipinnata - Chinese Lantern	292.34	
32 93 43 00-0156 EA 2-1/2" Caliber Koelreuteria bipinnata - Chinese Lantern	359.81	
32 93 43 00-0157 EA 3" Caliber Koelreuteria bipinnata - Chinese Lantern	397.29	
32 93 43 00-0158 EA 24" Box Koelreuteria bipinnata - Chinese Lantern	175.41	
32 93 43 00-0159 EA 30" Box Koelreuteria bipinnata - Chinese Lantern	404.78	
32 93 43 00-0160 EA 36" Box Koelreuteria bipinnata - Chinese Lantern	633.41	
32 93 43 00-0161 EA 1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	163.41	
32 93 43 00-0162 EA 2" Cliber Koelreuteria paniculata - Golden Rain Tree	265.36	
32 93 43 00-0163 EA 2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	325.33	
32 93 43 00-0164 EA 3" Cliber Koelreuteria paniculata - Golden Rain Tree	367.30	
32 93 43 00-0165 EA 6' Magnolia grandiflora - Southern Magnolia	110.94	
32 93 43 00-0166 EA 7' Magnolia grandiflora - Southern Magnolia	167.91	
32 93 43 00-0167 EA 8' Magnolia grandiflora - Southern Magnolia	235.37	

32 Exterior Improvements

32 90 Planting

32 93 Plants



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 43 00-0168	EA	9' Magnolia grandiflora - Southern Magnolia.....		313.33	
32 93 43 00-0169	EA	10' Magnolia grandiflora - Southern Magnolia.....		476.75	
32 93 43 00-0170	EA	24" Box Magnolia grandiflora - Southern Magnolia.....		194.90	
32 93 43 00-0171	EA	1-1/2" Caliber Tipuana tipu - Tipu Tree.....		232.38	
32 93 43 00-0172	EA	2" Caliber Tipuana tipu - Tipu Tree.....		302.84	
32 93 43 00-0173	EA	2-1/2" Caliber Tipuana tipu - Tipu Tree.....		383.80	
32 93 43 00-0174	EA	3" Caliber Tipuana tipu - Tipu Tree.....		442.26	
32 93 43 00-0175	EA	3-1/2" Caliber Tipuana tipu - Tipu Tree.....		650.65	
32 93 43 00-0176	EA	4" Caliber Tipuana tipu - Tipu Tree.....		869.54	
32 93 43 00-0177	EA	24" Box Tipuana tipu - Tipu Tree.....		175.41	
32 93 43 00-0178	EA	6' Albizia julibrissin - Silk Tree.....		359.81	
32 93 43 00-0179	EA	8' Albizia julibrissin - Silk Tree.....		479.74	
32 93 43 00-0180	EA	10' Albizia julibrissin - Silk Tree.....		599.68	
32 93 43 00-0181	EA	12' Albizia julibrissin - Silk Tree.....		719.62	
32 93 43 00-0182	EA	6' Brachychiton acerifolius - Flame Tree.....		359.81	
32 93 43 00-0183	EA	8' Brachychiton acerifolius - Flame Tree.....		479.74	
32 93 43 00-0184	EA	10' Brachychiton acerifolius - Flame Tree.....		599.68	
32 93 43 00-0185	EA	12' Brachychiton acerifolius - Flame Tree.....		719.62	
32 93 43 00-0186	EA	1-1/2" Caliber Chilopsis linearis - Desert Willow.....		290.84	
32 93 43 00-0187	EA	2" Caliber Chilopsis linearis - Desert Willow.....		349.31	
32 93 43 00-0188	EA	2-1/2" Caliber Chilopsis linearis - Desert Willow.....		371.80	
32 93 43 00-0189	EA	3" Caliber Chilopsis linearis - Desert Willow.....		412.28	
32 93 43 00-0190	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree.....		14.99	
32 93 43 00-0191	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree.....		59.97	
32 93 43 00-0192	EA	24" Box Chionanthus retusus - Chinese Fringe Tree.....		299.84	
32 93 43 00-0193	EA	5 Gallon Calodendrum capense - Cape Chestnut.....		22.49	
32 93 43 00-0194	EA	15 Gallon Calodendrum capense - Cape Chestnut.....		89.95	
32 93 43 00-0195	EA	24" Box Calodendrum capense - Cape Chestnut.....		337.32	
32 93 43 00-0196	EA	6' Chionanthus virginicus - White Fringe Tree.....		179.90	
32 93 43 00-0197	EA	8' Chionanthus virginicus - White Fringe Tree.....		210.73	
32 93 43 00-0198	EA	10' Chionanthus virginicus - White Fringe Tree.....		293.51	
32 93 43 00-0199	EA	15 Gallon Geijera parvifolia - Australian Willow.....		90.31	
32 93 43 00-0200	EA	24" Box Geijera parvifolia - Australian Willow.....		185.89	
32 93 43 00-0201	EA	30" Box Geijera parvifolia - Australian Willow.....		346.20	
32 93 43 00-0202	EA	36" Box Geijera parvifolia - Australian Willow.....		496.72	
32 93 43 00-0203	EA	1-1/2" Caliber Ginko Biloba - Maidenhair Tree.....		267.93	
32 93 43 00-0204	EA	2" Caliber Ginko Biloba - Maidenhair Tree.....		373.29	
32 93 43 00-0205	EA	2-1/2" Caliber Ginko Biloba - Maidenhair Tree.....		450.05	
32 93 43 00-0206	EA	3" Caliber Ginko Biloba - Maidenhair Tree.....		525.31	
32 93 43 00-0207	EA	3-1/2" Caliber Ginko Biloba - Maidenhair Tree.....		687.88	
32 93 43 00-0208	EA	4" Caliber Ginko Biloba - Maidenhair Tree.....		734.54	
32 93 43 00-0209	EA	4-1/2" Caliber Ginko Biloba - Maidenhair Tree.....		782.70	
32 93 43 00-0210	EA	24" Box Ginko Biloba - Maidenhair Tree.....		244.60	
32 93 43 00-0211	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree.....		90.31	
32 93 43 00-0212	EA	24" Box Sapium sebiferum - Chinese Tallow Tree.....		331.14	
32 93 43 00-0213	EA	4' To 5' Lagerstroemia indica - Crape Myrtle.....		96.33	
32 93 43 00-0214	EA	6' Lagerstroemia indica - Crape Myrtle.....		179.12	
32 93 43 00-0215	EA	8' Lagerstroemia indica - Crape Myrtle.....		185.14	
32 93 43 00-0216	EA	10' Lagerstroemia indica - Crape Myrtle.....		224.27	
32 93 43 00-0217	EA	24" Box Lagerstroemia indica - Crape Myrtle.....		176.11	

32 93 43 00-0218 Shade Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0219	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple.....		292.02	
32 93 43 00-0220	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple.....		357.96	
32 93 43 00-0221	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple.....		466.29	
32 93 43 00-0222	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple.....		604.45	
32 93 43 00-0223	EA	2' To 2-1/2" Acer palmatum - Japanese Maple.....		30.80	
32 93 43 00-0224	EA	4' To 5' Acer palmatum - Japanese Maple.....		64.68	
32 93 43 00-0225	EA	5' To 6' Acer palmatum - Japanese Maple.....		84.70	
32 93 43 00-0226	EA	6' To 7' Acer palmatum - Japanese Maple.....		154.00	
32 93 43 00-0227	EA	7' To 8' Acer palmatum - Japanese Maple.....		215.60	
32 93 43 00-0228	EA	8' To 10' Acer palmatum - Japanese Maple.....		277.21	
32 93 43 00-0229	EA	10' To 12' Acer palmatum - Japanese Maple.....		369.61	
32 93 43 00-0230	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....		157.00	
32 93 43 00-0231	EA	2" Caliper Acer platanoides & cvs - Norway Maple.....		191.13	
32 93 43 00-0232	EA	3" Caliper Acer platanoides & cvs - Norway Maple.....		245.74	
32 93 43 00-0233	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple.....		286.70	
32 93 43 00-0234	EA	4" Caliper Acer platanoides & cvs - Norway Maple.....		307.17	
32 93 43 00-0235	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple.....		334.48	
32 93 43 00-0236	EA	5" Caliper Acer platanoides & cvs - Norway Maple.....		375.43	
32 93 43 00-0237	EA	2" Caliper Acer rubrum & cvs - Red Maple.....		150.17	
32 93 43 00-0238	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple.....		191.13	
32 93 43 00-0239	EA	3" Caliper Acer rubrum & cvs - Red Maple.....		245.74	
32 93 43 00-0240	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple.....		300.35	
32 93 43 00-0241	EA	4" Caliper Acer rubrum & cvs - Red Maple.....		341.30	
32 93 43 00-0242	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple.....		395.91	
32 93 43 00-0243	EA	5" Caliper Acer rubrum & cvs - Red Maple.....		443.70	
32 93 43 00-0244	EA	8' Clump Form Acer rubrum & cvs - Red Maple.....		184.30	



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 93 43 00-0245	EA	10' Clump Form Acer rubrum & cvs - Red Maple	245.74	
32 93 43 00-0246	EA	12' Clump Form Acer rubrum & cvs - Red Maple	286.70	
32 93 43 00-0247	EA	14' Clump Form Acer rubrum & cvs - Red Maple	327.65	
32 93 43 00-0248	EA	16' Clump Form Acer rubrum & cvs - Red Maple	368.61	
32 93 43 00-0249	EA	18' Clump Form Acer rubrum & cvs - Red Maple	409.57	
32 93 43 00-0250	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	238.91	
32 93 43 00-0251	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	266.22	
32 93 43 00-0252	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	300.35	
32 93 43 00-0253	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	341.30	
32 93 43 00-0254	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	409.57	
32 93 43 00-0255	EA	2" Caliper Betula nigra - River Birch	170.65	
32 93 43 00-0256	EA	2-1/2" Caliper Betula nigra - River Birch	193.25	
32 93 43 00-0257	EA	3" Caliper Betula nigra - River Birch	218.43	
32 93 43 00-0258	EA	3-1/2" Caliper Betula nigra - River Birch	273.04	
32 93 43 00-0259	EA	4" Caliper Betula nigra - River Birch	307.17	
32 93 43 00-0260	EA	4-1/2" Caliper Betula nigra - River Birch	341.30	
32 93 43 00-0261	EA	5" Caliper Betula nigra - River Birch	375.43	
32 93 43 00-0262	EA	8' Clump Form Betula nigra - River Birch	157.00	
32 93 43 00-0263	EA	10' Clump Form Betula nigra - River Birch	177.48	
32 93 43 00-0264	EA	12' Clump Form Betula nigra - River Birch	204.78	
32 93 43 00-0265	EA	14' Clump Form Betula nigra - River Birch	238.91	
32 93 43 00-0266	EA	16' Clump Form Betula nigra - River Birch	273.04	
32 93 43 00-0267	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	204.78	
32 93 43 00-0268	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	245.74	
32 93 43 00-0269	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	286.70	
32 93 43 00-0270	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	341.30	
32 93 43 00-0271	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	354.96	
32 93 43 00-0272	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	273.04	
32 93 43 00-0273	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	307.17	
32 93 43 00-0274	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	354.96	
32 93 43 00-0275	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	430.04	
32 93 43 00-0276	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	122.87	
32 93 43 00-0277	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	170.65	
32 93 43 00-0278	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	211.61	
32 93 43 00-0279	EA	2" Caliber Catalpa speciosa - Western Catalpa	150.17	
32 93 43 00-0280	EA	2-1/2" Caliber Catalpa speciosa - Western Catalpa	204.78	
32 93 43 00-0281	EA	3" Caliber Catalpa speciosa - Western Catalpa	266.22	
32 93 43 00-0282	EA	3-1/2" Caliber Catalpa speciosa - Western Catalpa	320.83	
32 93 43 00-0283	EA	4" Caliber Catalpa speciosa - Western Catalpa	368.61	
32 93 43 00-0284	EA	8' Clump Form Corylus cornuta californica - Western Filbert	191.13	
32 93 43 00-0285	EA	10' Clump Form Corylus cornuta californica - Western Filbert	232.09	
32 93 43 00-0286	EA	12' Clump Form Corylus cornuta californica - Western Filbert	273.04	
32 93 43 00-0287	EA	1-1/2" Caliber Diospyros - Persimmon	122.87	
32 93 43 00-0288	EA	2" Caliber Diospyros - Persimmon	150.17	
32 93 43 00-0289	EA	2-1/2" Caliber Diospyros - Persimmon	191.13	
32 93 43 00-0290	EA	3" Caliber Diospyros - Persimmon	238.91	
32 93 43 00-0291	EA	3-1/2" Caliber Diospyros - Persimmon	286.70	
32 93 43 00-0292	EA	2" Caliper Fagus sylvatica & cvs - European Beech	307.17	
32 93 43 00-0293	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	368.61	
32 93 43 00-0294	EA	3" Caliper Fagus sylvatica & cvs - European Beech	443.70	
32 93 43 00-0295	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	491.48	
32 93 43 00-0296	EA	4" Caliper Fagus sylvatica & cvs - European Beech	580.22	
32 93 43 00-0297	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	750.87	
32 93 43 00-0298	EA	5" Caliper Fagus sylvatica & cvs - European Beech	887.39	
32 93 43 00-0299	EA	2" Caliper Fraxinus americana & cvs - White Ash	170.65	
32 93 43 00-0300	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	204.78	
32 93 43 00-0301	EA	3" Caliper Fraxinus americana & cvs - White Ash	259.39	
32 93 43 00-0302	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	314.00	
32 93 43 00-0303	EA	4" Caliper Fraxinus americana & cvs - White Ash	368.61	
32 93 43 00-0304	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	409.57	
32 93 43 00-0305	EA	5" Caliper Fraxinus americana & cvs - White Ash	477.83	
32 93 43 00-0306	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	238.91	
32 93 43 00-0307	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	266.22	
32 93 43 00-0308	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	300.35	
32 93 43 00-0309	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	334.48	
32 93 43 00-0310	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	375.43	
32 93 43 00-0311	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	409.57	
32 93 43 00-0312	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	614.35	
32 93 43 00-0313	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	682.61	
32 93 43 00-0314	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	163.83	
32 93 43 00-0315	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	204.78	
32 93 43 00-0316	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	245.74	
32 93 43 00-0317	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	286.70	
32 93 43 00-0318	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	327.65	
32 93 43 00-0319	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	368.61	
32 93 43 00-0320	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust	436.87	
32 93 43 00-0321	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	86.35	
32 93 43 00-0322	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	102.05	
32 93 43 00-0323	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	141.30	
32 93 43 00-0324	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	183.69	
32 93 43 00-0325	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	204.10	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0326	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	241.78	
32 93 43 00-0327	EA	1-1/2" Caliber Juglans californica - California Walnut	163.83	
32 93 43 00-0328	EA	2" Caliber Juglans californica - California Walnut	191.13	
32 93 43 00-0329	EA	2-1/2" Caliber Juglans californica - California Walnut	238.91	
32 93 43 00-0330	EA	3" Caliber Juglans californica - California Walnut	300.35	
32 93 43 00-0331	EA	3-1/2" Caliber Juglans californica - California Walnut	368.61	
32 93 43 00-0332	EA	4" Caliber Juglans californica - California Walnut	443.70	
32 93 43 00-0333	EA	4-1/2" Caliber Juglans californica - California Walnut	511.96	
32 93 43 00-0334	EA	5" Caliber Juglans californica - California Walnut	580.22	
32 93 43 00-0335	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	18.48	
32 93 43 00-0336	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	46.20	
32 93 43 00-0337	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	92.40	
32 93 43 00-0338	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	120.12	
32 93 43 00-0339	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	87.78	
32 93 43 00-0340	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	106.26	
32 93 43 00-0341	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	147.84	
32 93 43 00-0342	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	218.43	
32 93 43 00-0343	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	273.04	
32 93 43 00-0344	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	341.30	
32 93 43 00-0345	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	409.57	
32 93 43 00-0346	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	477.83	
32 93 43 00-0347	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	218.43	
32 93 43 00-0348	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	300.35	
32 93 43 00-0349	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0350	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	409.57	
32 93 43 00-0351	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	464.17	
32 93 43 00-0352	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	163.83	
32 93 43 00-0353	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	293.52	
32 93 43 00-0354	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	354.96	
32 93 43 00-0355	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	218.43	
32 93 43 00-0356	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	273.04	
32 93 43 00-0357	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	341.30	
32 93 43 00-0358	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	409.57	
32 93 43 00-0359	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	477.83	
32 93 43 00-0360	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	95.57	
32 93 43 00-0361	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	109.22	
32 93 43 00-0362	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	129.70	
32 93 43 00-0363	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	163.83	
32 93 43 00-0364	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	204.78	
32 93 43 00-0365	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	296.56	
32 93 43 00-0366	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	431.36	
32 93 43 00-0367	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	641.68	
32 93 43 00-0368	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.23	
32 93 43 00-0369	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	118.63	
32 93 43 00-0370	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	161.76	
32 93 43 00-0371	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	196.30	
32 93 43 00-0372	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	81.64	
32 93 43 00-0373	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	102.05	
32 93 43 00-0374	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	180.55	
32 93 43 00-0375	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	259.05	
32 93 43 00-0376	EA	2" Caliber Platanus x acerifolia & cvs - London Planetree	163.83	
32 93 43 00-0377	EA	2-1/2" Caliber Platanus x acerifolia & cvs - London Planetree	197.96	
32 93 43 00-0378	EA	3" Caliber Platanus x acerifolia & cvs - London Planetree	238.91	
32 93 43 00-0379	EA	3-1/2" Caliber Platanus x acerifolia & cvs - London Planetree	286.70	
32 93 43 00-0380	EA	4" Caliber Platanus x acerifolia & cvs - London Planetree	341.30	
32 93 43 00-0381	EA	2" Caliber Populus alba & cvs - White Poplar	163.83	
32 93 43 00-0382	EA	2-1/2" Caliber Populus alba & cvs - White Poplar	191.13	
32 93 43 00-0383	EA	3" Caliber Populus alba & cvs - White Poplar	218.43	
32 93 43 00-0384	EA	3-1/2" Caliber Populus alba & cvs - White Poplar	259.39	
32 93 43 00-0385	EA	4" Caliber Populus alba & cvs - White Poplar	286.70	
32 93 43 00-0386	EA	4-1/2" Caliber Populus alba & cvs - White Poplar	327.65	
32 93 43 00-0387	EA	2" Caliber Populus deltoides & cvs - Eastern Cottonwood	150.17	
32 93 43 00-0388	EA	2-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood	197.96	
32 93 43 00-0389	EA	3" Caliber Populus deltoides & cvs - Eastern Cottonwood	238.91	
32 93 43 00-0390	EA	3-1/2" Caliber Populus deltoides & cvs - Eastern Cottonwood	286.70	
32 93 43 00-0391	EA	4" Caliber Populus deltoides & cvs - Eastern Cottonwood	341.30	
32 93 43 00-0392	EA	2" Caliber Quercus palustris - Pin Oak	150.17	
32 93 43 00-0393	EA	2-1/2" Caliber Quercus palustris - Pin Oak	204.78	
32 93 43 00-0394	EA	3" Caliber Quercus palustris - Pin Oak	266.22	
32 93 43 00-0395	EA	3-1/2" Caliber Quercus palustris - Pin Oak	307.17	
32 93 43 00-0396	EA	4" Caliber Quercus palustris - Pin Oak	354.96	
32 93 43 00-0397	EA	4-1/2" Caliber Quercus palustris - Pin Oak	402.74	
32 93 43 00-0398	EA	5" Caliber Quercus palustris - Pin Oak	443.70	
32 93 43 00-0399	EA	2" Caliber Quercus shumardii - Shumard Oak	232.09	
32 93 43 00-0400	EA	2-1/2" Caliber Quercus shumardii - Shumard Oak	293.52	
32 93 43 00-0401	EA	3" Caliber Quercus shumardii - Shumard Oak	341.30	
32 93 43 00-0402	EA	3-1/2" Caliber Quercus shumardii - Shumard Oak	409.57	
32 93 43 00-0403	EA	4" Caliber Quercus shumardii - Shumard Oak	477.83	
32 93 43 00-0404	EA	4-1/2" Caliber Quercus shumardii - Shumard Oak	546.09	
32 93 43 00-0405	EA	5" Caliber Quercus shumardii - Shumard Oak	614.35	
32 93 43 00-0406	EA	24" Box Salix babylonica - Weeping Willow	172.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0407	EA		36" Box Salix babylonica - Weeping Willow.....	431.36	
32 93 43 00-0408	EA		1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	99.23	
32 93 43 00-0409	EA		2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	118.63	
32 93 43 00-0410	EA		2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	129.41	
32 93 43 00-0411	EA		2' Thuja occidentalis - American Arborvitae.....	23.39	
32 93 43 00-0412	EA		2-1/2' Thuja occidentalis - American Arborvitae.....	25.28	
32 93 43 00-0413	EA		3' Thuja occidentalis - American Arborvitae.....	36.11	
32 93 43 00-0414	EA		4' Thuja occidentalis - American Arborvitae.....	49.61	
32 93 43 00-0415	EA		5' Thuja occidentalis - American Arborvitae.....	69.08	
32 93 43 00-0416	EA		6' Thuja occidentalis - American Arborvitae.....	95.77	
32 93 43 00-0417	EA		7' Thuja occidentalis - American Arborvitae.....	116.18	
32 93 43 00-0418	EA		8' Thuja occidentalis - American Arborvitae.....	163.28	
32 93 43 00-0419	EA		2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	171.68	
32 93 43 00-0420	EA		2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	207.38	
32 93 43 00-0421	EA		3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	238.91	
32 93 43 00-0422	EA		3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	293.52	
32 93 43 00-0423	EA		4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	334.48	
32 93 43 00-0424	EA		4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	375.43	
32 93 43 00-0425	EA		5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	416.39	
32 93 43 00-0426	EA		2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	191.13	
32 93 43 00-0427	EA		2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	218.43	
32 93 43 00-0428	EA		3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	238.91	
32 93 43 00-0429	EA		3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	259.39	
32 93 43 00-0430	EA		4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	286.70	
32 93 43 00-0431	EA		4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	341.30	
32 93 43 00-0432	EA		5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	402.74	
32 93 43 00-0433	EA		2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	218.43	
32 93 43 00-0434	EA		2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	238.91	
32 93 43 00-0435	EA		3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	259.39	
32 93 43 00-0436	EA		3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	286.70	
32 93 43 00-0437	EA		4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	341.30	
32 93 43 00-0438	EA		4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	402.74	
32 93 43 00-0439	EA		5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	464.17	
32 93 43 00-0440	EA		2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	218.43	
32 93 43 00-0441	EA		2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	238.91	
32 93 43 00-0442	EA		3" Caliber Ulmus x 'Regal' - Regal Hybrid Elm.....	259.39	
32 93 43 00-0443	EA		3-1/2" Caliber Ulmus x 'Regal' - Regal Hybrid Elm.....	286.70	
32 93 43 00-0444	EA		4" Caliber Ulmus x 'Regal' - Regal Hybrid Elm.....	341.30	
32 93 43 00-0445	EA		4-1/2" Caliber Ulmus x 'Regal' - Regal Hybrid Elm.....	402.74	
32 93 43 00-0446	EA		5" Caliber Ulmus x 'Regal' - Regal Hybrid Elm.....	464.17	
32 93 43 00-0447	EA		1-1/2" To 2" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	139.98	
32 93 43 00-0448	EA		2" To 2-1/2" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	249.86	
32 93 43 00-0449	EA		2-1/2" To 3" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	365.76	
32 93 43 00-0450	EA		3" To 3-1/2" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	454.57	
32 93 43 00-0451	EA		3-1/2" To 4" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	588.53	
32 93 43 00-0452	EA		4" To 5" Caliber Platanus acerifolia "Bloodgold" - London Plane.....	669.81	
32 93 43 00-0453	EA		24" Box Platanus acerifolia "Bloodgold" - London Plane.....	176.11	
32 93 43 00-0454	EA		1-1/2" Caliber Quercus suber - Cork Oak.....	210.73	
32 93 43 00-0455	EA		2" Caliber Quercus suber - Cork Oak.....	292.01	
32 93 43 00-0456	EA		2-1/2" Caliber Quercus suber - Cork Oak.....	373.29	
32 93 43 00-0457	EA		3" Caliber Quercus suber - Cork Oak.....	466.61	
32 93 43 00-0458	EA		3-1/2" Caliber Quercus suber - Cork Oak.....	699.92	
32 93 43 00-0459	EA		4" Caliber Quercus suber - Cork Oak.....	903.12	
32 93 43 00-0460	EA		4-1/2" Caliber Quercus suber - Cork Oak.....	1,174.06	
32 93 43 00-0461	EA		1-1/2" Caliber Quercus ilex - Holly Oak.....	233.31	
32 93 43 00-0462	EA		2" Caliber Quercus ilex - Holly Oak.....	314.59	
32 93 43 00-0463	EA		2-1/2" Caliber Quercus ilex - Holly Oak.....	385.33	
32 93 43 00-0464	EA		3" Caliber Quercus ilex - Holly Oak.....	466.61	
32 93 43 00-0465	EA		3-1/2" Caliber Quercus ilex - Holly Oak.....	699.92	
32 93 43 00-0466	EA		4" Caliber Quercus ilex - Holly Oak.....	903.12	

32 93 43 00-0467

Evergreen Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0468	EA		2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	14.56	
32 93 43 00-0469	EA		3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	23.40	
32 93 43 00-0470	EA		4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	34.77	
32 93 43 00-0471	EA		5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	46.77	
32 93 43 00-0472	EA		7' To 8' Cedrus atlantica - Blue Atlas Cedar.....	66.41	
32 93 43 00-0473	EA		5 Gallon Cedrus deodara - Indian Cedar.....	8.33	
32 93 43 00-0474	EA		6' To 8' Cedrus deodara - Indian Cedar.....	60.09	
32 93 43 00-0475	EA		8' To 10' Cedrus deodara - Indian Cedar.....	69.57	
32 93 43 00-0476	EA		10' To 12' Cedrus deodara - Indian Cedar.....	94.85	
32 93 43 00-0477	EA		12' To 14' Cedrus deodara - Indian Cedar.....	123.30	
32 93 43 00-0478	EA		14' To 16' Cedrus deodara - Indian Cedar.....	158.10	
32 93 43 00-0479	EA		15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress.....	18.78	
32 93 43 00-0480	EA		18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress.....	28.17	
32 93 43 00-0481	EA		2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress.....	43.83	
32 93 43 00-0482	EA		3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress.....	75.13	
32 93 43 00-0483	EA		5 Gallon Cupressocyparis leylandii - Leyland Cypress.....	10.33	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0484	EA	15	Gallon Cupressocyparis leylandii - Leyland Cypress	41.33	
32 93 43 00-0485	EA	4'	To 5' Cupressocyparis leylandii - Leyland Cypress	18.08	
32 93 43 00-0486	EA	5'	To 6' Cupressocyparis leylandii - Leyland Cypress	23.25	
32 93 43 00-0487	EA	6'	To 7' Cupressocyparis leylandii - Leyland Cypress	36.17	
32 93 43 00-0488	EA	24"	Box Cupressocyparis leylandii - Leyland Cypress	87.83	
32 93 43 00-0489	EA	1	Gallon Cupressus macrocarpa - Monterey Cypress	1.88	
32 93 43 00-0490	EA	5	Gallon Cupressus macrocarpa - Monterey Cypress	8.48	
32 93 43 00-0491	EA	15	Gallon Cupressus macrocarpa - Monterey Cypress	28.26	
32 93 43 00-0492	EA	5	Gallon Cupressus sempervirens - Italian Cypress	9.73	
32 93 43 00-0493	EA	15	Gallon Cupressus sempervirens - Italian Cypress	26.74	
32 93 43 00-0494	EA	1	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	2.86	
32 93 43 00-0495	EA	2	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	5.59	
32 93 43 00-0496	EA	3	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	6.93	
32 93 43 00-0497	EA	5	Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.14	
32 93 43 00-0498	EA	1	Gallon Juniperus - Blue Sargent Juniper	2.86	
32 93 43 00-0499	EA	2	Gallon Juniperus - Blue Sargent Juniper	5.59	
32 93 43 00-0500	EA	3	Gallon Juniperus - Blue Sargent Juniper	6.93	
32 93 43 00-0501	EA	5	Gallon Juniperus - Blue Sargent Juniper	8.14	
32 93 43 00-0502	EA	5	Gallon Juniperus - Compact Pfitzer Juniper	8.14	
32 93 43 00-0503	EA	15"	To 18" Juniperus - Compact Pfitzer Juniper	8.81	
32 93 43 00-0504	EA	18"	To 24" Juniperus - Compact Pfitzer Juniper	10.64	
32 93 43 00-0505	EA	2'	To 2 1/2' Juniperus - Compact Pfitzer Juniper	15.80	
32 93 43 00-0506	EA	2-1/2'	To 3' Juniperus - Compact Pfitzer Juniper	18.30	
32 93 43 00-0507	EA	5'	To 6' Juniperus - Fairview Juniper	27.25	
32 93 43 00-0508	EA	1	Gallon Juniperus - Hollywood Juniper	3.65	
32 93 43 00-0509	EA	5	Gallon Juniperus - Hollywood Juniper	10.15	
32 93 43 00-0510	EA	15	Gallon Juniperus - Hollywood Juniper	43.03	
32 93 43 00-0511	EA	4'	To 5' Juniperus - Hollywood Juniper	28.45	
32 93 43 00-0512	EA	5'	To 6' Juniperus - Hollywood Juniper	36.65	
32 93 43 00-0513	EA	1	Gallon Juniperus - Parson's Juniper	2.86	
32 93 43 00-0514	EA	2	Gallon Juniperus - Parson's Juniper	5.65	
32 93 43 00-0515	EA	3	Gallon Juniperus - Parson's Juniper	6.99	
32 93 43 00-0516	EA	5	Gallon Juniperus - Parson's Juniper	8.27	
32 93 43 00-0517	EA	5	Gallon Juniperus - Skyrocket Juniper	10.21	
32 93 43 00-0518	EA	15	Gallon Juniperus - Skyrocket Juniper	43.46	
32 93 43 00-0519	EA	2'	To 3' Juniperus - Skyrocket Juniper	15.32	
32 93 43 00-0520	EA	3'	To 4' Juniperus - Skyrocket Juniper	21.70	
32 93 43 00-0521	EA	4'	To 5' Juniperus - Skyrocket Juniper	28.75	
32 93 43 00-0522	EA	5'	To 6' Juniperus - Skyrocket Juniper	37.08	
32 93 43 00-0523	EA	6'	To 8' Juniperus - Skyrocket Juniper	47.90	
32 93 43 00-0524	EA	1	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	2.86	
32 93 43 00-0525	EA	2	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	5.62	
32 93 43 00-0526	EA	3	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	6.90	
32 93 43 00-0527	EA	5	Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.18	
32 93 43 00-0528	EA	1	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	2.86	
32 93 43 00-0529	EA	2	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	5.62	
32 93 43 00-0530	EA	3	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	6.90	
32 93 43 00-0531	EA	5	Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.18	
32 93 43 00-0532	EA	3'	Pinus sylvestris - Scotch Pine	26.55	
32 93 43 00-0533	EA	4'	Pinus sylvestris - Scotch Pine	36.86	
32 93 43 00-0534	EA	5'	Pinus sylvestris - Scotch Pine	51.73	
32 93 43 00-0535	EA	6'	Pinus sylvestris - Scotch Pine	71.77	
32 93 43 00-0536	EA	7'	Pinus sylvestris - Scotch Pine	87.94	
32 93 43 00-0537	EA	8'	Pinus sylvestris - Scotch Pine	124.15	
32 93 43 00-0538	EA	9'	Pinus sylvestris - Scotch Pine	157.61	
32 93 43 00-0539	EA	10'	Pinus sylvestris - Scotch Pine	181.86	
32 93 43 00-0540	EA	12'	Pinus sylvestris - Scotch Pine	214.19	
32 93 43 00-0541	EA	14'	Pinus sylvestris - Scotch Pine	242.48	
32 93 43 00-0542	EA	16'	Pinus sylvestris - Scotch Pine	282.89	
32 93 43 00-0543	EA	1	Gallon Pinus thunbergiana - Japanese Black Pine	2.86	
32 93 43 00-0544	EA	5	Gallon Pinus thunbergiana - Japanese Black Pine	10.15	
32 93 43 00-0545	EA	15	Gallon Pinus thunbergiana - Japanese Black Pine	32.88	
32 93 43 00-0546	EA	2'	To 3' Pinus thunbergiana - Japanese Black Pine	13.92	
32 93 43 00-0547	EA	3'	To 4' Pinus thunbergiana - Japanese Black Pine	17.69	
32 93 43 00-0548	EA	4'	To 5' Pinus thunbergiana - Japanese Black Pine	26.56	
32 93 43 00-0549	EA	5'	To 6' Pinus thunbergiana - Japanese Black Pine	51.85	
32 93 43 00-0550	EA	6'	To 7' Pinus Thunbergiana - Japanese Black Pine	58.17	
32 93 43 00-0551	EA	7'	To 8' Pinus thunbergiana - Japanese Black Pine	72.70	
32 93 43 00-0552	EA	6'	Pinus flexilis & cvs - Limber Pine	101.03	
32 93 43 00-0553	EA	7'	Pinus flexilis & cvs - Limber Pine	117.20	
32 93 43 00-0554	EA	8'	Pinus flexilis & cvs - Limber Pine	145.49	
32 93 43 00-0555	EA	9'	Pinus flexilis & cvs - Limber Pine	177.82	
32 93 43 00-0556	EA	10'	Pinus flexilis & cvs - Limber Pine	202.07	
32 93 43 00-0557	EA	1	Gallon Pinus mugo - Mugho Pine	3.77	
32 93 43 00-0558	EA	2	Gallon Pinus mugo - Mugho Pine	7.96	
32 93 43 00-0559	EA	3	Gallon Pinus mugo - Mugho Pine	9.97	
32 93 43 00-0560	EA	5	Gallon Pinus mugo - Mugho Pine	12.64	
32 93 43 00-0561	EA	12"	To 15" Spread Pinus mugo - Mugho Pine	9.79	
32 93 43 00-0562	EA	15"	To 18" Spread Pinus mugo - Mugho Pine	11.67	
32 93 43 00-0563	EA	18"	To 24" Spread Pinus mugo - Mugho Pine	15.80	
32 93 43 00-0564	EA	2'	To 2-1/2' Spread Pinus mugo - Mugho Pine	22.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0565	EA		2-1/2' To 3' Spread Pinus mugo - Mugho Pine	28.45	
32 93 43 00-0566	EA		3' To 3-1/2' Spread Pinus mugo - Mugho Pine	35.44	
32 93 43 00-0567	EA		3-1/2' To 4' Spread Pinus mugo - Mugho Pine	43.03	
32 93 43 00-0568	EA		6' Pinus nigra - Austrian Pine.....	101.03	
32 93 43 00-0569	EA		7' Pinus nigra - Austrian Pine.....	121.24	
32 93 43 00-0570	EA		8' Pinus nigra - Austrian Pine.....	157.61	
32 93 43 00-0571	EA		9' Pinus nigra - Austrian Pine.....	181.86	
32 93 43 00-0572	EA		10' Pinus nigra - Austrian Pine.....	214.19	
32 93 43 00-0573	EA		12' Pinus nigra - Austrian Pine.....	242.48	
32 93 43 00-0574	EA		14' Pinus nigra - Austrian Pine.....	270.77	
32 93 43 00-0575	EA		16' Pinus nigra - Austrian Pine.....	307.14	
32 93 43 00-0576	EA		1 Gallon Podocarpus - Chinese Podocarpus.....	1.88	
32 93 43 00-0577	EA		3 Gallon Podocarpus - Chinese Podocarpus.....	4.38	
32 93 43 00-0578	EA		7 Gallon Podocarpus - Chinese Podocarpus.....	12.64	
32 93 43 00-0579	EA		15 Gallon Podocarpus - Chinese Podocarpus.....	20.54	
32 93 43 00-0580	EA		4' To 5' Podocarpus - Chinese Podocarpus.....	31.61	
32 93 43 00-0581	EA		5' To 6' Sequoia sempervirens - Dawn Redwood.....	39.51	
32 93 43 00-0582	EA		6' To 8' Sequoia sempervirens - Dawn Redwood.....	53.34	
32 93 43 00-0583	EA		8' To 10' Sequoia sempervirens - Dawn Redwood.....	65.19	
32 93 43 00-0584	EA		3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae.....	7.62	
32 93 43 00-0585	EA		3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae.....	12.45	
32 93 43 00-0586	EA		6' Cedrus decurrens - Incense Cedar.....	67.85	
32 93 43 00-0587	EA		8' Cedrus decurrens - Incense Cedar.....	140.35	
32 93 43 00-0588	EA		10' Cedrus decurrens - Incense Cedar.....	185.90	
32 93 43 00-0589	EA		12' Cedrus decurrens - Incense Cedar.....	246.32	
32 93 43 00-0590	EA		6' Melaleuca linarifolia - Flaxleaf Paperbark.....	195.20	
32 93 43 00-0591	EA		8' Melaleuca linarifolia - Flaxleaf Paperbark.....	260.26	
32 93 43 00-0592	EA		10' Melaleuca linarifolia - Flaxleaf Paperbark.....	325.32	
32 93 43 00-0593	EA		12' Melaleuca linarifolia - Flaxleaf Paperbark.....	390.39	
32 93 43 00-0594	EA		24" Box Melaleuca linarifolia - Flaxleaf Paperbark.....	114.79	
32 93 43 00-0595	EA		6' Melaleuca quinquenervia - Cajeput Tree.....	195.20	
32 93 43 00-0596	EA		8' Melaleuca quinquenervia - Cajeput Tree.....	260.26	
32 93 43 00-0597	EA		10' Melaleuca quinquenervia - Cajeput Tree.....	325.32	
32 93 43 00-0598	EA		12' Melaleuca quinquenervia - Cajeput Tree.....	390.39	
32 93 43 00-0599	EA		24" Box Melaleuca quinquenervia - Cajeput Tree.....	108.75	
32 93 43 00-0600	EA		30" Box Melaleuca quinquenervia - Cajeput Tree.....	274.20	
32 93 43 00-0601	EA		36" Box Melaleuca quinquenervia - Cajeput Tree.....	432.22	
32 93 43 00-0602	EA		4' Metrosideros excelsus - New Zealand Christmas Tree.....	57.63	
32 93 43 00-0603	EA		5' Metrosideros excelsus - New Zealand Christmas Tree.....	78.08	
32 93 43 00-0604	EA		6' Metrosideros excelsus - New Zealand Christmas Tree.....	132.92	
32 93 43 00-0605	EA		8' Metrosideros excelsus - New Zealand Christmas Tree.....	164.52	
32 93 43 00-0606	EA		24" Box Metrosideros excelsus - New Zealand Christmas Tree.....	145.00	
32 93 43 00-0607	EA		6' Pinus canariensis - Canary Island Pine.....	223.08	
32 93 43 00-0608	EA		8' Pinus canariensis - Canary Island Pine.....	297.44	
32 93 43 00-0609	EA		10' Pinus canariensis - Canary Island Pine.....	371.80	
32 93 43 00-0610	EA		12' Pinus canariensis - Canary Island Pine.....	446.16	
32 93 43 00-0611	EA		24" Box Pinus canariensis - Canary Island Pine.....	132.92	
32 93 43 00-0612	EA		6' Pinus pinea - Italian Stone Pine.....	223.08	
32 93 43 00-0613	EA		8' Pinus pinea - Italian Stone Pine.....	297.44	
32 93 43 00-0614	EA		10' Pinus pinea - Italian Stone Pine.....	371.80	
32 93 43 00-0615	EA		12' Pinus pinea - Italian Stone Pine.....	446.16	
32 93 43 00-0616	EA		6' Pittosporum undulatum - Victorian Box.....	122.69	
32 93 43 00-0617	EA		8' Pittosporum undulatum - Victorian Box.....	194.27	
32 93 43 00-0618	EA		10' Pittosporum undulatum - Victorian Box.....	255.61	
32 93 43 00-0619	EA		6' Podocarpus gracilior - African Fern Pine.....	232.38	
32 93 43 00-0620	EA		8' Podocarpus gracilior - African Fern Pine.....	306.74	
32 93 43 00-0621	EA		10' Podocarpus gracilior - African Fern Pine.....	390.39	
32 93 43 00-0622	EA		12' Podocarpus gracilior - African Fern Pine.....	464.75	
32 93 43 00-0623	EA		24" Box Podocarpus gracilior - African Fern Pine.....	108.75	
32 93 43 00-0624	EA		1 Gallon Podocarpus macrophyllus - Yew Pine.....	4.32	
32 93 43 00-0625	EA		3 Gallon Podocarpus macrophyllus - Yew Pine.....	10.13	
32 93 43 00-0626	EA		5 Gallon Podocarpus macrophyllus - Yew Pine.....	13.29	
32 93 43 00-0627	EA		15 Gallon Podocarpus macrophyllus - Yew Pine.....	57.63	
32 93 43 00-0628	EA		24" Box Podocarpus macrophyllus - Yew Pine.....	111.54	
32 93 43 00-0629	EA		24" Box Rhus lancea - African Sumac.....	114.79	
32 93 43 00-0630	EA		30" Box Rhus lancea - African Sumac.....	185.90	
32 93 43 00-0631	EA		8' Rhus lancea - African Sumac.....	278.85	
32 93 43 00-0632	EA		10' Rhus lancea - African Sumac.....	311.38	
32 93 43 00-0633	EA		12' Rhus lancea - African Sumac.....	371.80	

32 93 43 00-0634 Palm And Subtropical Trees (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0635	EA		4' To 5' Archontophoenix cunninghamiana - King Palm.....	64.97	
32 93 43 00-0636	EA		6' To 8' Archontophoenix cunninghamiana - King Palm.....	101.06	
32 93 43 00-0637	EA		8' To 10' Archontophoenix cunninghamiana - King Palm.....	129.94	
32 93 43 00-0638	EA		10' To 12' Archontophoenix cunninghamiana - King Palm.....	173.25	
32 93 43 00-0639	EA		4' To 5' Arecastrum romanzoffianum - Queen Palm.....	49.22	
32 93 43 00-0640	EA		6' To 8' Arecastrum romanzoffianum - Queen Palm.....	68.91	
32 93 43 00-0641	EA		8' To 10' Arecastrum romanzoffianum - Queen Palm.....	88.59	

32 Exterior Improvements**32 90 Planting****32 93 Plants**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

32 93 43 00-0642	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	108.28	
32 93 43 00-0643	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	131.25	
32 93 43 00-0644	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	164.06	
32 93 43 00-0645	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	137.81	
32 93 43 00-0646	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	216.56	
32 93 43 00-0647	EA	3' To 4' Chamaerops humilis - European Fan Palm	118.12	
32 93 43 00-0648	EA	5' To 6' Chamaerops humilis - European Fan Palm	157.50	
32 93 43 00-0649	EA	7' To 8' Chamaerops humilis - European Fan Palm	367.50	
32 93 43 00-0650	EA	9' To 10' Chamaerops humilis - European Fan Palm	630.00	
32 93 43 00-0651	EA	12' To 16' Cocos nucifera - Coconut Palm	276.77	
32 93 43 00-0652	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	91.88	
32 93 43 00-0653	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	183.75	
32 93 43 00-0654	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	236.25	
32 93 43 00-0655	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	328.12	
32 93 43 00-0656	EA	4' To 5' Rhapis excelsa - Lady Palm	249.38	
32 93 43 00-0657	EA	6' To 7' Rhapis excelsa - Lady Palm	354.38	
32 93 43 00-0658	EA	8' To 9' Roystonea regia - Royal Palm	200.81	
32 93 43 00-0659	EA	10' To 11' Roystonea regia - Royal Palm	245.44	
32 93 43 00-0660	EA	12' To 13' Roystonea regia - Royal Palm	290.06	
32 93 43 00-0661	EA	14' To 15' Roystonea regia - Royal Palm	334.69	
32 93 43 00-0662	EA	16' To 17' Roystonea regia - Royal Palm	379.31	
32 93 43 00-0663	EA	18' To 19' Roystonea regia - Royal Palm	423.94	
32 93 43 00-0664	EA	20' To 21' Roystonea regia - Royal Palm	468.56	
32 93 43 00-0665	EA	10' To 16' Sabal palmetto - Cabbage Palm	101.49	
32 93 43 00-0666	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	275.62	
32 93 43 00-0667	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	354.38	
32 93 43 00-0668	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	433.12	
32 93 43 00-0669	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	98.44	
32 93 43 00-0670	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	164.06	
32 93 43 00-0671	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	249.38	
32 93 43 00-0672	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	282.19	
32 93 43 00-0673	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	328.12	
32 93 43 00-0674	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	282.19	
32 93 43 00-0675	EA	6' Bauninia blakeana - Hong Kong Orchid	334.69	
32 93 43 00-0676	EA	8' Bauninia blakeana - Hong Kong Orchid	446.25	
32 93 43 00-0677	EA	10' Bauninia blakeana - Hong Kong Orchid	557.81	
32 93 43 00-0678	EA	4' To 5' Acacia baileyana - Bailey Acacia	262.50	
32 93 43 00-0679	EA	6' Acacia baileyana - Bailey Acacia	315.00	
32 93 43 00-0680	EA	8' Acacia baileyana - Bailey Acacia	367.50	
32 93 43 00-0681	EA	10' Acacia baileyana - Bailey Acacia	459.38	
32 93 43 00-0682	EA	6' Agonis flexuosa - Peppermint	157.50	
32 93 43 00-0683	EA	8' Agonis flexuosa - Peppermint	196.88	
32 93 43 00-0684	EA	10' Agonis flexuosa - Peppermint	236.25	
32 93 43 00-0685	EA	24' Box Agonis flexuosa - Peppermint	196.22	
32 93 43 00-0686	EA	6' Bauhinia purpurea - Purple Orchid Tree	354.38	
32 93 43 00-0687	EA	8' Bauhinia purpurea - Purple Orchid Tree	472.50	
32 93 43 00-0688	EA	10' Bauhinia purpurea - Purple Orchid Tree	590.62	
32 93 43 00-0689	EA	24' Box Bauhinia purpurea - Purple Orchid Tree	153.56	
32 93 43 00-0690	EA	6' Bauhinia variegata candida - White Orchid Tree	393.75	
32 93 43 00-0691	EA	8' Bauhinia variegata candida - White Orchid Tree	525.00	
32 93 43 00-0692	EA	10' Bauhinia variegata candida - White Orchid Tree	656.25	
32 93 43 00-0693	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.38	
32 93 43 00-0694	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	472.50	
32 93 43 00-0695	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	590.62	
32 93 43 00-0696	EA	6' Eriobotrya deflexa - Bronze Loquat	354.38	
32 93 43 00-0697	EA	8' Eriobotrya deflexa - Bronze Loquat	472.50	
32 93 43 00-0698	EA	10' Eriobotrya deflexa - Bronze Loquat	590.62	
32 93 43 00-0699	EA	6' Eucalyptus erythrocorys - Red Cap Gum	354.38	
32 93 43 00-0700	EA	8' Eucalyptus erythrocorys - Red Cap Gum	472.50	
32 93 43 00-0701	EA	10' Eucalyptus erythrocorys - Red Cap Gum	590.62	
32 93 43 00-0702	EA	6' Eucalyptus torquata - Coral Gum	354.38	
32 93 43 00-0703	EA	8' Eucalyptus torquata - Coral Gum	472.50	
32 93 43 00-0704	EA	10' Eucalyptus torquata - Coral Gum	590.62	
32 93 43 00-0705	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.50	
32 93 43 00-0706	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	498.75	
32 93 43 00-0707	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	616.88	
32 93 43 00-0708	EA	6' Washingtonia robusta - Mexican Fan Palm	354.38	
32 93 43 00-0709	EA	8' Washingtonia robusta - Mexican Fan Palm	472.50	
32 93 43 00-0710	EA	10' Washingtonia robusta - Mexican Fan Palm	590.62	
32 93 43 00-0711	EA	12' Washingtonia robusta - Mexican Fan Palm	708.75	
32 93 43 00-0712	EA	6' Olea europaea - Olive "Fruitless"	354.38	
32 93 43 00-0713	EA	8' Olea europaea - Olive "Fruitless"	472.50	
32 93 43 00-0714	EA	10' Olea europaea - Olive "Fruitless"	590.62	
32 93 43 00-0715	EA	12' Olea europaea - Olive "Fruitless"	708.75	
32 93 43 00-0716	EA	24' Box Olea europaea - Olive "Fruitless"	435.75	
32 93 43 00-0717	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	354.38	
32 93 43 00-0718	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	472.50	
32 93 43 00-0719	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	590.62	
32 93 43 00-0720	EA	6' Eucalyptus leucoxydon - White Ironbark	354.38	
32 93 43 00-0721	EA	8' Eucalyptus leucoxydon - White Ironbark	472.50	
32 93 43 00-0722	EA	10' Eucalyptus leucoxydon - White Ironbark	590.62	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0723 EA 12' Eucalyptus leucoxydon - White Ironbark.....	708.75	
32 93 43 00-0724 EA 6' Callistemon viminalis - Weeping Bottle Brush.....	354.38	
32 93 43 00-0725 EA 8' Callistemon viminalis - Weeping Bottle Brush.....	472.50	
32 93 43 00-0726 EA 10' Callistemon viminalis - Weeping Bottle Brush.....	590.62	
32 93 43 00-0727 EA 12' Callistemon viminalis - Weeping Bottle Brush.....	708.75	
32 93 43 00-0728 EA 6' Eucalyptus gunnii - Cider Gum.....	354.38	
32 93 43 00-0729 EA 8' Eucalyptus gunnii - Cider Gum.....	472.50	
32 93 43 00-0730 EA 10' Eucalyptus gunnii - Cider Gum.....	590.62	
32 93 43 00-0731 EA 6' Jacarandra acutifolia - Jacaranda.....	354.38	
32 93 43 00-0732 EA 8' Jacarandra acutifolia - Jacaranda.....	472.50	
32 93 43 00-0733 EA 10' Jacarandra acutifolia - Jacaranda.....	590.62	
32 93 43 00-0734 EA 24" Box Jacarandra acutifolia - Jacaranda.....	153.56	
32 93 43 00-0735 EA 5 Gallon Phoenix roebelenii - Pygmy Date Palm.....	17.12	
32 93 43 00-0736 EA 7 Gallon Phoenix roebelenii - Pygmy Date Palm.....	41.74	
32 93 43 00-0737 EA 15 Gallon Phoenix roebelenii - Pygmy Date Palm.....	63.15	
32 93 43 00-0738 EA 24" Box Phoenix roebelenii - Pygmy Date Palm.....	187.30	
32 93 43 00-0739 EA 5 Gallon Pistacia chinensis - Chinese Pistache.....	23.62	
32 93 43 00-0740 EA 15 Gallon Pistacia chinensis - Chinese Pistache.....	78.75	
32 93 43 00-0741 EA 24" Box Pistacia chinensis - Chinese Pistache.....	305.81	
32 93 43 00-0742 EA 36" Box Pistacia chinensis - Chinese Pistache.....	813.75	
32 93 43 00-0743 EA 48" Box Pistacia chinensis - Chinese Pistache.....	1,732.50	
32 93 43 00-0744 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	24.41	
32 93 43 00-0745 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	81.38	
32 93 43 00-0746 EA 24" Box Pyrus kawakamii - Evergreen Pear, Single.....	305.81	
32 93 43 00-0747 EA 30" Box Pyrus kawakamii - Evergreen Pear, Single.....	559.12	
32 93 43 00-0748 EA 36" Box Pyrus kawakamii - Evergreen Pear, Single.....	813.75	
32 93 43 00-0749 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	24.41	
32 93 43 00-0750 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	86.62	
32 93 43 00-0751 EA 24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	315.00	
32 93 43 00-0752 EA 30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	559.12	
32 93 43 00-0753 EA 36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	813.75	

32 93 53 Planting Of Trees, Shrubs And Ground Cover (32 93)

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 53 00-0001 Planting Trees (32 93 53)

32 93 53 00-0002 EA 3" To 5" Bare Root Seedlings Tree Planting.....	1.06	
32 93 53 00-0003 EA 6" To 10" Bare Root Seedlings Tree Planting.....	1.71	
32 93 53 00-0004 EA 11" To 16" Bare Root Seedlings Tree Planting.....	2.14	
32 93 53 00-0005 EA 17" To 24" Bare Root Seedlings Tree Planting.....	3.41	
32 93 53 00-0006 EA 1 Gallon Container Tree Planting.....	17.07	
For >10 To 25, Deduct	-0.85	
For >25 To 50, Deduct	-2.13	
For >50 To 100, Deduct	-3.41	
For >100, Deduct	-5.12	
32 93 53 00-0007 EA 2 Gallon Container Tree Planting.....	23.91	
For >10 To 25, Deduct	-1.20	
For >25 To 50, Deduct	-2.99	
For >50 To 100, Deduct	-4.78	
For >100, Deduct	-7.17	
32 93 53 00-0008 EA 3 Gallon Container Tree Planting.....	30.74	
For >10 To 25, Deduct	-1.54	
For >25 To 50, Deduct	-3.84	
For >50 To 100, Deduct	-6.15	
For >100, Deduct	-9.22	
32 93 53 00-0009 EA 5 Gallon Container Tree Planting.....	51.23	
For >10 To 25, Deduct	-2.56	
For >25 To 50, Deduct	-6.40	
For >50 To 100, Deduct	-10.25	
For >100, Deduct	-15.37	
32 93 53 00-0010 EA 7 Gallon Container Tree Planting.....	68.32	
For >10 To 25, Deduct	-3.42	
For >25 To 50, Deduct	-8.54	
For >50 To 100, Deduct	-13.66	
For >100, Deduct	-20.50	
32 93 53 00-0011 EA 10 Gallon Container Tree Planting.....	88.80	
For >10 To 25, Deduct	-4.44	
For >25 To 50, Deduct	-11.10	
For >50 To 100, Deduct	-17.76	
For >100, Deduct	-26.64	
32 93 53 00-0012 EA 15 Gallon Container Tree Planting.....	126.38	
For >10 To 25, Deduct	-6.32	
For >25 To 50, Deduct	-15.80	
For >50 To 100, Deduct	-25.28	
For >100, Deduct	-37.91	
32 93 53 00-0013 EA 20 Gallon Container Tree Planting.....	208.35	
For >10 To 25, Deduct	-10.42	
For >25 To 50, Deduct	-26.04	
For >50 To 100, Deduct	-41.67	
For >100, Deduct	-62.51	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0014 EA 25 Gallon Container Tree Planting.....	269.84	
For >10 To 25, Deduct	-13.49	
For >25 To 50, Deduct	-33.73	
For >50 To 100, Deduct	-53.97	
For >100, Deduct	-80.95	
32 93 53 00-0015 EA 30 Gallon Container Tree Planting.....	324.49	
For >10 To 25, Deduct	-16.22	
For >25 To 50, Deduct	-40.56	
For >50 To 100, Deduct	-64.90	
For >100, Deduct	-97.35	
32 93 53 00-0016 EA 45 Gallon Container Tree Planting.....	403.05	
For >10 To 25, Deduct	-20.15	
For >25 To 50, Deduct	-50.38	
For >50 To 100, Deduct	-80.61	
For >100, Deduct	-120.92	
32 93 53 00-0017 EA 65 Gallon Container Tree Planting.....	478.19	
For >10 To 25, Deduct	-23.91	
For >25 To 50, Deduct	-59.77	
For >50 To 100, Deduct	-95.64	
For >100, Deduct	-143.46	
32 93 53 00-0018 EA 6' Balled And Burlapped Tree Planting	170.78	
For >10 To 25, Deduct	-8.54	
For >25 To 50, Deduct	-21.35	
For >50 To 100, Deduct	-34.16	
For >100, Deduct	-51.23	
32 93 53 00-0019 EA 7' Balled And Burlapped Tree Planting	227.49	
For >10 To 25, Deduct	-11.37	
For >25 To 50, Deduct	-28.44	
For >50 To 100, Deduct	-45.50	
For >100, Deduct	-68.25	
32 93 53 00-0020 EA 8' Balled And Burlapped Tree Planting	256.18	
For >10 To 25, Deduct	-12.81	
For >25 To 50, Deduct	-32.02	
For >50 To 100, Deduct	-51.24	
For >100, Deduct	-76.85	
32 93 53 00-0021 EA 10' Balled And Burlapped Tree Planting	298.87	
For >10 To 25, Deduct	-14.94	
For >25 To 50, Deduct	-37.36	
For >50 To 100, Deduct	-59.77	
For >100, Deduct	-89.66	
32 93 53 00-0022 EA 12' Balled And Burlapped Tree Planting	399.63	
For >10 To 25, Deduct	-19.98	
For >25 To 50, Deduct	-49.95	
For >50 To 100, Deduct	-79.93	
For >100, Deduct	-119.89	
32 93 53 00-0023 EA 14' Balled And Burlapped Tree Planting	457.70	
For >10 To 25, Deduct	-22.89	
For >25 To 50, Deduct	-57.21	
For >50 To 100, Deduct	-91.54	
For >100, Deduct	-137.31	
32 93 53 00-0024 EA 16' Balled And Burlapped Tree Planting	555.05	
For >10 To 25, Deduct	-27.75	
For >25 To 50, Deduct	-69.38	
For >50 To 100, Deduct	-111.01	
For >100, Deduct	-166.52	
32 93 53 00-0025 EA 18' Balled And Burlapped Tree Planting	666.05	
For >10 To 25, Deduct	-33.30	
For >25 To 50, Deduct	-83.26	
For >50 To 100, Deduct	-133.21	
For >100, Deduct	-199.82	
32 93 53 00-0026 EA 20' Balled And Burlapped Tree Planting	768.53	
For >10 To 25, Deduct	-38.43	
For >25 To 50, Deduct	-96.07	
For >50 To 100, Deduct	-153.71	
For >100, Deduct	-230.56	
32 93 53 00-0027 EA 1-1/2" Caliber Balled And Burlapped Tree Planting	256.18	
For >10 To 25, Deduct	-12.81	
For >25 To 50, Deduct	-32.02	
For >50 To 100, Deduct	-51.24	
For >100, Deduct	-76.85	
32 93 53 00-0028 EA 2" Caliber Balled And Burlapped Tree Planting	298.87	
For >10 To 25, Deduct	-14.94	
For >25 To 50, Deduct	-37.36	
For >50 To 100, Deduct	-59.77	
For >100, Deduct	-89.66	
32 93 53 00-0029 EA 2-1/2" Caliber Balled And Burlapped Tree Planting	401.34	
For >10 To 25, Deduct	-20.07	
For >25 To 50, Deduct	-50.17	
For >50 To 100, Deduct	-80.27	
For >100, Deduct	-120.40	
32 93 53 00-0030 EA 3" Caliber Balled And Burlapped Tree Planting	461.12	
For >10 To 25, Deduct	-23.06	
For >25 To 50, Deduct	-57.64	
For >50 To 100, Deduct	-92.22	
For >100, Deduct	-138.34	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0031 EA 3-1/2" Caliber Balled And Burlapped Tree Planting	512.35	
For >10 To 25, Deduct	-25.62	
For >25 To 50, Deduct	-64.04	
For >50 To 100, Deduct	-102.47	
For >100, Deduct	-153.71	
32 93 53 00-0032 EA 4" Caliber Balled And Burlapped Tree Planting	587.49	
For >10 To 25, Deduct	-29.37	
For >25 To 50, Deduct	-73.44	
For >50 To 100, Deduct	-117.50	
For >100, Deduct	-176.25	
32 93 53 00-0033 Planting Shrubs <small>(32 93 53)</small>		
32 93 53 00-0034 EA 1 Gallon Container Shrub Planting	14.53	
For >10 To 25, Deduct	-0.73	
For >25 To 50, Deduct	-1.82	
For >50 To 100, Deduct	-2.91	
For >100, Deduct	-4.36	
32 93 53 00-0035 EA 2 Gallon Container Shrub Planting	20.50	
For >10 To 25, Deduct	-1.03	
For >25 To 50, Deduct	-2.56	
For >50 To 100, Deduct	-4.10	
For >100, Deduct	-6.15	
32 93 53 00-0036 EA 3 Gallon Container Shrub Planting	25.62	
For >10 To 25, Deduct	-1.28	
For >25 To 50, Deduct	-3.20	
For >50 To 100, Deduct	-5.12	
For >100, Deduct	-7.69	
32 93 53 00-0037 EA 4 Gallon Container Shrub Planting	34.16	
For >10 To 25, Deduct	-1.71	
For >25 To 50, Deduct	-4.27	
For >50 To 100, Deduct	-6.83	
For >100, Deduct	-10.25	
32 93 53 00-0038 EA 5 Gallon Container Shrub Planting	42.70	
For >10 To 25, Deduct	-2.14	
For >25 To 50, Deduct	-5.34	
For >50 To 100, Deduct	-8.54	
For >100, Deduct	-12.81	
32 93 53 00-0039 EA 7 Gallon Container Shrub Planting	58.07	
For >10 To 25, Deduct	-2.90	
For >25 To 50, Deduct	-7.26	
For >50 To 100, Deduct	-11.61	
For >100, Deduct	-17.42	
32 93 53 00-0040 EA 10 Gallon Container Shrub Planting	76.85	
For >10 To 25, Deduct	-3.84	
For >25 To 50, Deduct	-9.61	
For >50 To 100, Deduct	-15.37	
For >100, Deduct	-23.06	
32 93 53 00-0041 EA 15 Gallon Container Shrub Planting	105.89	
For >10 To 25, Deduct	-5.29	
For >25 To 50, Deduct	-13.24	
For >50 To 100, Deduct	-21.18	
For >100, Deduct	-31.77	
32 93 53 00-0042 EA 20 Gallon Container Shrub Planting	177.62	
For >10 To 25, Deduct	-8.88	
For >25 To 50, Deduct	-22.20	
For >50 To 100, Deduct	-35.52	
For >100, Deduct	-53.29	
32 93 53 00-0043 EA 25 Gallon Container Shrub Planting	227.49	
For >10 To 25, Deduct	-11.37	
For >25 To 50, Deduct	-28.44	
For >50 To 100, Deduct	-45.50	
For >100, Deduct	-68.25	
32 93 53 00-0044 EA 15" Balled And Burlapped Shrub Planting	47.82	
For >10 To 25, Deduct	-2.39	
For >25 To 50, Deduct	-5.98	
For >50 To 100, Deduct	-9.56	
For >100, Deduct	-14.35	
32 93 53 00-0045 EA 18" Balled And Burlapped Shrub Planting	49.53	
For >10 To 25, Deduct	-2.48	
For >25 To 50, Deduct	-6.19	
For >50 To 100, Deduct	-9.91	
For >100, Deduct	-14.86	
32 93 53 00-0046 EA 24" Balled And Burlapped Shrub Planting	54.65	
For >10 To 25, Deduct	-2.73	
For >25 To 50, Deduct	-6.83	
For >50 To 100, Deduct	-10.93	
For >100, Deduct	-16.40	
32 93 53 00-0047 EA 30" Balled And Burlapped Shrub Planting	54.65	
For >10 To 25, Deduct	-2.73	
For >25 To 50, Deduct	-6.83	
For >50 To 100, Deduct	-10.93	
For >100, Deduct	-16.40	

32 Exterior Improvements**32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0048 EA 36" Balled And Burlapped Shrub Planting.....	59.77	
For >10 To 25, Deduct	-2.99	
For >25 To 50, Deduct	-7.47	
For >50 To 100, Deduct	-11.95	
For >100, Deduct	-17.93	
32 93 53 00-0049 EA 42" Balled And Burlapped Shrub Planting.....	63.19	
For >10 To 25, Deduct	-3.16	
For >25 To 50, Deduct	-7.90	
For >50 To 100, Deduct	-12.64	
For >100, Deduct	-18.96	
32 93 53 00-0050 EA 48" Balled And Burlapped Shrub Planting.....	68.32	
For >10 To 25, Deduct	-3.42	
For >25 To 50, Deduct	-8.54	
For >50 To 100, Deduct	-13.66	
For >100, Deduct	-20.50	
32 93 53 00-0051 EA 5' Balled And Burlapped Shrub Planting.....	102.47	
For >10 To 25, Deduct	-5.12	
For >25 To 50, Deduct	-12.81	
For >50 To 100, Deduct	-20.49	
For >100, Deduct	-30.74	
32 93 53 00-0052 EA 6' Balled And Burlapped Shrub Planting.....	145.16	
For >10 To 25, Deduct	-7.26	
For >25 To 50, Deduct	-18.15	
For >50 To 100, Deduct	-29.03	
For >100, Deduct	-43.55	
32 93 53 00-0053 EA 7' Balled And Burlapped Shrub Planting.....	192.99	
For >10 To 25, Deduct	-9.65	
For >25 To 50, Deduct	-24.12	
For >50 To 100, Deduct	-38.60	
For >100, Deduct	-57.90	
32 93 53 00-0054 EA 8' Balled And Burlapped Shrub Planting.....	218.61	
For >10 To 25, Deduct	-10.93	
For >25 To 50, Deduct	-27.33	
For >50 To 100, Deduct	-43.72	
For >100, Deduct	-65.58	
32 93 53 00-0055 EA 9' Balled And Burlapped Shrub Planting.....	235.68	
For >10 To 25, Deduct	-11.78	
For >25 To 50, Deduct	-29.46	
For >50 To 100, Deduct	-47.14	
For >100, Deduct	-70.70	
32 93 53 00-0056 EA 10' Balled And Burlapped Shrub Planting.....	256.18	
For >10 To 25, Deduct	-12.81	
For >25 To 50, Deduct	-32.02	
For >50 To 100, Deduct	-51.24	
For >100, Deduct	-76.85	
32 93 53 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 53)		
32 93 53 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting.....	1.42	
For >10 To 25, Deduct	-0.07	
For >25 To 50, Deduct	-0.18	
For >50 To 100, Deduct	-0.28	
For >100, Deduct	-0.43	
32 93 53 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting.....	1.62	
For >10 To 25, Deduct	-0.08	
For >25 To 50, Deduct	-0.20	
For >50 To 100, Deduct	-0.32	
For >100, Deduct	-0.49	
32 93 53 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting.....	1.90	
For >10 To 25, Deduct	-0.10	
For >25 To 50, Deduct	-0.24	
For >50 To 100, Deduct	-0.38	
For >100, Deduct	-0.57	
32 93 53 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting.....	2.28	
For >10 To 25, Deduct	-0.11	
For >25 To 50, Deduct	-0.29	
For >50 To 100, Deduct	-0.46	
For >100, Deduct	-0.68	
32 93 53 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting.....	2.85	
For >10 To 25, Deduct	-0.14	
For >25 To 50, Deduct	-0.36	
For >50 To 100, Deduct	-0.57	
For >100, Deduct	-0.86	
32 93 53 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting.....	4.27	
For >10 To 25, Deduct	-0.21	
For >25 To 50, Deduct	-0.53	
For >50 To 100, Deduct	-0.85	
For >100, Deduct	-1.28	
32 93 53 00-0064 EA 1 Gallon Container Groundcover And Flower Planting.....	13.66	
For >10 To 25, Deduct	-0.68	
For >25 To 50, Deduct	-1.71	
For >50 To 100, Deduct	-2.73	
For >100, Deduct	-4.10	



		Exterior Improvements	32
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 53 00-0065 EA 2 Gallon Container Groundcover And Flower Planting	18.79	
For >10 To 25, Deduct	-0.94	
For >25 To 50, Deduct	-2.35	
For >50 To 100, Deduct	-3.76	
For >100, Deduct	-5.64	
32 93 53 00-0066 EA 3 Gallon Container Groundcover And Flower Planting	23.91	
For >10 To 25, Deduct	-1.20	
For >25 To 50, Deduct	-2.99	
For >50 To 100, Deduct	-4.78	
For >100, Deduct	-7.17	
32 93 53 00-0067 EA 4 Gallon Container Groundcover And Flower Planting	30.74	
For >10 To 25, Deduct	-1.54	
For >25 To 50, Deduct	-3.84	
For >50 To 100, Deduct	-6.15	
For >100, Deduct	-9.22	
32 93 53 00-0068 EA 5 Gallon Container Groundcover And Flower Planting	37.57	
For >10 To 25, Deduct	-1.88	
For >25 To 50, Deduct	-4.70	
For >50 To 100, Deduct	-7.51	
For >100, Deduct	-11.27	
32 93 53 00-0069 EA 7 Gallon Container Groundcover And Flower Planting	51.23	
For >10 To 25, Deduct	-2.56	
For >25 To 50, Deduct	-6.40	
For >50 To 100, Deduct	-10.25	
For >100, Deduct	-15.37	
32 93 53 00-0070 EA Up To 25 Each Bulb Planting.....	0.85	
32 93 53 00-0071 EA 26 To 50 Each Bulb Planting	0.76	
32 93 53 00-0072 LOT Lots Of 50 Bulb Planting	31.82	
32 93 53 00-0073 LOT Lots Of 60 Bulb Planting	38.19	
32 93 53 00-0074 LOT Lots Of 100 Bulb Planting	57.28	
32 93 53 00-0075 EA Flats Of 24 Groundcover And Flower Planting.....	23.91	
For >10 To 25, Deduct	-1.20	
For >25, Deduct	-2.99	
32 93 53 00-0076 EA Flats Of 36 Groundcover And Flower Planting.....	33.91	
For >10 To 25, Deduct	-1.70	
For >25, Deduct	-4.24	
32 93 53 00-0077 EA Flats Of 48 Groundcover And Flower Planting.....	45.15	
For >10 To 25, Deduct	-2.26	
For >25, Deduct	-5.64	

32 93 53 00-0078

Tree Pits (32 93 53)

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 53 00-0079 EA 2' x 1-1/4' Deep Tree Pit	79.94	
32 93 53 00-0080 EA 2' x 2-1/2' Deep Tree Pit	119.88	
32 93 53 00-0081 EA 2-1/2' x 1-1/2' Deep Tree Pit	155.37	
32 93 53 00-0082 EA 2-1/2' x 3' Deep Tree Pit	233.02	
32 93 53 00-0083 EA 3' x 1-3/4' Deep Tree Pit	238.85	
32 93 53 00-0084 EA 3' x 3-1/2' Deep Tree Pit	356.27	
32 93 53 00-0085 EA 3-1/2' x 1-3/4' Deep Tree Pit	292.08	
32 93 53 00-0086 EA 3-1/2' x 3-1/2' Deep Tree Pit	437.47	
32 93 53 00-0087 EA 4' x 2' Deep Tree Pit	348.89	
32 93 53 00-0088 EA 4' x 4' Deep Tree Pit	523.04	
32 93 53 00-0089 EA 4-1/2' x 2' Deep Tree Pit	501.23	
32 93 53 00-0090 EA 4-1/2' x 4' Deep Tree Pit	753.44	
32 93 53 00-0091 EA 5' x 2-1/4' Deep Tree Pit	666.72	
32 93 53 00-0092 EA 5' x 4-1/2' Deep Tree Pit	992.54	
32 93 53 00-0093 EA 6' x 2-1/2' Deep Tree Pit	945.58	
32 93 53 00-0094 EA 6' x 5' Deep Tree Pit	1,416.11	
32 93 53 00-0095 EA 7' x 3' Deep Tree Pit	1,592.33	
32 93 53 00-0096 EA 7' x 6' Deep Tree Pit	2,402.24	
32 93 53 00-0097 EA 8' x 3-1/4' Deep Tree Pit	2,186.89	
32 93 53 00-0098 EA 8' x 6-1/2' Deep Tree Pit	3,278.83	

32 94 Planting Accessories (32 90)

32 94 13 Landscape Edging (32 94)

Note: Including stakes.

32 94 13 00-0001 Landscape Edging (32 94 13)

Note: Includes stakes.

32 94 13 00-0002 LF 6" Poly/Vinyl Landscape Edging With Non-Round Top.....	3.54	0.87
For >2,000 To 5,000 LF, Deduct	-0.18	
For >5,000 LF, Deduct	-0.36	
32 94 13 00-0003 LF 5" Polyethylene Landscape Edging With Round Top.....	2.30	0.87
For >2,000 To 5,000 LF, Deduct	-0.06	
For >5,000 LF, Deduct	-0.11	
32 94 13 00-0004 LF 5-1/2" Polyethylene Landscape Edging With Round Top	2.34	0.87
For >2,000 To 5,000 LF, Deduct	-0.06	
For >5,000 LF, Deduct	-0.12	

32 Exterior Improvements**32 90 Planting****32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94	13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top.....	2.35	0.87
			<i>For >2,000 To 5,000 LF, Deduct</i>	-0.06	
			<i>For >5,000 LF, Deduct</i>	-0.12	
32 94	13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	6.43	2.07
			<i>For >1,000 LF, Deduct</i>	-0.58	
32 94	13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	6.90	2.07
			<i>For >1,000 LF, Deduct</i>	-0.69	
32 94	13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	6.93	2.07
			<i>For >1,000 LF, Deduct</i>	-0.70	
32 94	13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	7.80	2.14
			<i>For >1,000 LF, Deduct</i>	-0.89	
32 94	13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	8.38	2.14
			<i>For >1,000 LF, Deduct</i>	-1.04	
32 94	13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	8.37	2.14
			<i>For >1,000 LF, Deduct</i>	-1.03	
32 94	13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	7.12	2.21
			<i>For >1,000 LF, Deduct</i>	-0.69	
32 94	13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	7.77	2.21
			<i>For >1,000 LF, Deduct</i>	-0.86	
32 94	13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	7.84	2.21
			<i>For >1,000 LF, Deduct</i>	-0.87	
32 94	13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	8.70	2.28
			<i>For >1,000 LF, Deduct</i>	-1.06	
32 94	13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	9.35	2.28
			<i>For >1,000 LF, Deduct</i>	-1.22	
32 94	13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging.....	9.40	2.28
			<i>For >1,000 LF, Deduct</i>	-1.23	
32 94	13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	6.80	2.14
			<i>For >1,000 LF, Deduct</i>	-0.63	
32 94	13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	7.76	2.14
			<i>For >1,000 LF, Deduct</i>	-0.87	
32 94	13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	10.33	2.14
			<i>For >1,000 LF, Deduct</i>	-1.51	
32 94	13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.39	2.07
32 94	13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	5.96	2.07
32 94	13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board).....	6.46	2.07
32 94	13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	6.57	2.07
32 94	13 00-0025	LF	4-1/2" x 12" Granite Edging.....	21.27	9.64
32 94	13 00-0026	LF	2" x 8" x 16" Precast Scallops, Green	4.27	1.44
32 94	13 00-0027	LF	2" x 8" x 16" Precast Scallops, Other Than Green.....	4.00	1.44
32 94	13 00-0028	LF	Brick, Set Horizontally, 1-1/2 Per LF	4.27	1.59
32 94	13 00-0029	LF	Brick, Set Horizontally, 3 Per LF	10.90	4.33
32 94	13 00-0030	LF	"V" Trenching By Machine, 4" Deep x 4" Wide	1.74	

32 94 16 Landscape Timbers (32 94)

32 94	16 00-0001	LF	1" x 4" Redwood Edging	3.82	1.24
32 94	16 00-0002	LF	2" x 4" Redwood Edging	5.21	1.87
32 94	16 00-0003	LF	4" x 6" Pressure Treated Hardwood.....	6.03	2.50
32 94	16 00-0004	LF	6" x 6" Pressure Treated Hardwood.....	7.70	3.12
32 94	16 00-0005	LF	6" x 8" Pressure Treated Hardwood.....	9.02	3.67
32 94	16 00-0006	LF	1" x 4" Pressure Treated Pine.....	2.68	1.24
32 94	16 00-0007	LF	2" x 4" Pressure Treated Pine.....	4.01	1.87
32 94	16 00-0008	LF	4" x 6" Pressure Treated Pine.....	5.75	2.41
32 94	16 00-0009	LF	6" x 6" Pressure Treated Pine.....	7.66	3.12
32 94	16 00-0010	LF	6" x 8" Pressure Treated Pine.....	9.22	3.67
32 94	16 00-0011	LF	6" x 8" Railroad Ties	10.79	3.43
32 94	16 00-0012	LF	7" x 9" Railroad Ties	12.98	4.31

32 94 23 Plant Protection (32 94)

32 94	23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	1.95	
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32 94 43 Tree Grates (32 94)**32 94 43 00-0001 Tree Grates With Frames (32 94 43)****32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94	43 00-0003	EA	32" Diameter, 100 To 150 LB Cast Iron Tree Gate With Frame	449.86	37.92
32 94	43 00-0004	EA	36" Diameter, 125 To 175 LB Cast Iron Tree Gate With Frame	517.85	37.92
32 94	43 00-0005	EA	42" Diameter, 150 To 200 LB Cast Iron Tree Gate With Frame	628.13	50.56
32 94	43 00-0006	EA	48" Diameter, 200 To 250 LB Cast Iron Tree Gate With Frame	776.13	50.56
32 94	43 00-0007	EA	54" Diameter, 300 To 350 LB Cast Iron Tree Gate With Frame	994.41	63.21
32 94	43 00-0008	EA	60" Diameter, Up To 350 LB Cast Iron Tree Gate With Frame.....	1,047.70	75.85
32 94	43 00-0009	EA	60" Diameter, >350 LB Cast Iron Tree Gate With Frame	1,150.70	75.85
32 94	43 00-0010	EA	72" Diameter, Up To 550 LB Cast Iron Tree Gate With Frame.....	1,534.91	107.45
32 94	43 00-0011	EA	72" Diameter, >500 To 550 LB Cast Iron Tree Gate With Frame	1,594.91	107.45
32 94	43 00-0012	EA	72" Diameter, >600 To 650 LB Cast Iron Tree Gate With Frame	1,644.91	107.45
32 94	43 00-0013	EA	72" Diameter, >650 To 700 LB Cast Iron Tree Gate With Frame	1,684.91	107.45
32 94	43 00-0014	EA	72" Diameter, >700 LB Cast Iron Tree Gate With Frame	1,714.91	107.45
32 94	43 00-0015	EA	93" Diameter, 950 To 1,000 LB Cast Iron Tree Gate With Frame	1,884.84	126.41



Exterior Improvements		32
Planting		32 90
Planting Accessories		32 94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0016			Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame.....	415.85	37.92
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame.....	500.85	37.92
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame.....	746.41	63.21
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame.....	876.41	63.21
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame.....	996.41	63.21
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame.....	1,106.41	63.21
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame.....	1,206.41	63.21
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame.....	1,296.41	63.21
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame.....	1,256.99	88.49
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame.....	1,346.99	88.49
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame.....	1,426.99	88.49
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame.....	1,496.99	88.49
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,556.99	88.49
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame.....	1,606.99	88.49
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame.....	1,534.91	107.45
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame.....	1,594.91	107.45
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame.....	1,644.91	107.45
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame.....	1,684.91	107.45
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame.....	1,714.91	107.45
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame.....	1,734.91	107.45
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame.....	1,744.91	107.45
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame.....	1,754.91	107.45
32 94 43 00-0039			Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)		
32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	776.13	50.56
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	791.13	50.56
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	967.41	63.21
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame.....	1,134.41	63.21
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	1,206.41	63.21
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	1,624.91	107.45
32 94 49			Tree Accessories (32 94)		
32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes.....	18.48	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes.....	33.03	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes.....	56.80	
32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors.....	77.41	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors.....	104.38	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors.....	133.53	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors.....	172.77	
32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree.....	5.03	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree.....	8.28	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree.....	16.23	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree.....	24.64	
32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard.....	7.90	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard.....	7.42	
32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		
32 94 49 00-0020	EA		Stake Out Trees Or Shrubs.....	5.14	
32 94 49 00-0021			Root Barriers (32 94 49)		
32 94 49 00-0022	EA		18" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	12.13	
32 94 49 00-0023	EA		24" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	14.40	
32 94 49 00-0024	EA		36" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	19.44	
32 94 49 00-0025	EA		48" High x 24" Long Root Barrier Panel, .080" Polypropylene, With Self Locking Joiner.....	26.19	

32 96 Transplanting (32 90)

32 Exterior Improvements**32 90 Planting****32 96 Transplanting**
 MINOR
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION
 UNIT COST UNIT COST

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001	Moving Shrubs On Site, Relocate (32 96 33)		
	Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site	50.05	
	For >25 To 50, Deduct	-5.01	
	For >50, Deduct	-7.51	
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site.....	68.65	
	For >25 To 50, Deduct	-6.87	
	For >50, Deduct	-10.30	
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site.....	85.80	
	For >25 To 50, Deduct	-8.58	
	For >50, Deduct	-12.87	
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site.....	111.75	
	For >25 To 50, Deduct	-11.18	
	For >50, Deduct	-16.76	

32 96 43 Tree Transplanting (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001	Moving Trees On Site, Relocate (32 96 43)		
	Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site.....	211.71	
	For >5 To 10, Deduct	-10.59	
	For >10 To 20, Deduct	-21.17	
	For >20, Deduct	-31.76	
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....	290.35	
	For >5 To 10, Deduct	-14.52	
	For >10 To 20, Deduct	-29.04	
	For >20, Deduct	-43.55	
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....	470.47	
	For >5 To 10, Deduct	-23.52	
	For >10 To 20, Deduct	-47.05	
	For >20, Deduct	-70.57	
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site.....	781.71	
	For >5 To 10, Deduct	-39.09	
	For >10 To 20, Deduct	-78.17	
	For >20, Deduct	-117.26	
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site.....	1,270.29	
	For >5 To 10, Deduct	-63.51	
	For >10 To 20, Deduct	-127.03	
	For >20, Deduct	-190.54	
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site.....	1,639.07	
	For >5 To 10, Deduct	-81.95	
	For >10 To 20, Deduct	-163.91	
	For >20, Deduct	-245.86	
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site.....	2,117.14	
	For >5 To 10, Deduct	-105.86	
	For >10 To 20, Deduct	-211.71	
	For >20, Deduct	-317.57	
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site.....	2,540.56	
	For >5 To 10, Deduct	-127.03	
	For >10 To 20, Deduct	-254.06	
	For >20, Deduct	-381.08	
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site.....	2,887.01	
	For >5 To 10, Deduct	-144.35	
	For >10 To 20, Deduct	-288.70	
	For >20, Deduct	-433.05	

END OF SECTION 32



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 Utilities

33 01 Operation And Maintenance Of Utilities ⁽³³⁾

33 01 30 Operation And Maintenance Of Sewer Utilities ^(33 01)

33 01 30 16 TV Inspection Of Pipelines ^(33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 16-0001	EA	Remote Visual inspection (RVI) Of Pipe Interior And Culverts ^(33 01 30 16)		
33 01 30 16-0002		Video Camera Set-up ^(33 01 30 16-0001)		
33 01 30 16-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	639.18	
		Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1"-12" diameter pipes for distances up to 300 feet.		
33 01 30 16-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,278.37	
		Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 16-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert.....	1,917.54	
33 01 30 16-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert.....	319.59	
33 01 30 16-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert.....	639.18	

33 01 30 16-0008 Video Camera Planning And Analysis Inspection ^(33 01 30 16-0001)

Note: For pipe interior and culverts.

33 01 30 16-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase.....		1.62
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.16
		For >1,000 To 5,000, Deduct		-0.41
		For >5,000, Deduct		-0.57
33 01 30 16-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....		2.16
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.22
		For >1,000 To 5,000, Deduct		-0.54
		For >5,000, Deduct		-0.76
33 01 30 16-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase.....		2.70
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.27
		For >1,000 To 5,000, Deduct		-0.68
		For >5,000, Deduct		-0.95
33 01 30 16-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....		3.60
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.36
		For >1,000 To 5,000, Deduct		-0.90
		For >5,000, Deduct		-1.26
33 01 30 16-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....		5.07
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.51
		For >1,000 To 5,000, Deduct		-1.27
		For >5,000, Deduct		-1.77
33 01 30 16-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....		6.76
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.68
		For >1,000 To 5,000, Deduct		-1.69
		For >5,000, Deduct		-2.37
33 01 30 16-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....		9.53
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.95
		For >1,000 To 5,000, Deduct		-2.38
		For >5,000, Deduct		-3.34
33 01 30 16-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....		13.50
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-1.35
		For >1,000 To 5,000, Deduct		-3.38
		For >5,000, Deduct		-4.73

33 01 30 16-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts ^(33 01 30 16-0001)

33 01 30 16-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....		2.40
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.24
		For >1,000 To 5,000, Deduct		-0.60
		For >5,000, Deduct		-0.84
33 01 30 16-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase		3.19
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.32
		For >1,000 To 5,000, Deduct		-0.80
		For >5,000, Deduct		-1.12
33 01 30 16-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase		3.99
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct		-0.40
		For >1,000 To 5,000, Deduct		-1.00
		For >5,000, Deduct		-1.40

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 16-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	5.32	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 5,000, Deduct	-1.33	
For >5,000, Deduct	-1.86	
33 01 30 16-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	7.49	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 5,000, Deduct	-1.87	
For >5,000, Deduct	-2.62	
33 01 30 16-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	9.99	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.00	
For >1,000 To 5,000, Deduct	-2.50	
For >5,000, Deduct	-3.50	
33 01 30 16-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	14.10	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 5,000, Deduct	-3.53	
For >5,000, Deduct	-4.94	
33 01 30 16-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase.....	19.97	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.00	
For >1,000 To 5,000, Deduct	-4.99	
For >5,000, Deduct	-6.99	
33 01 30 16-0026 Video Camera Post-Rehab For Pipe Interior And Culverts (33 01 30 16-0001)		
33 01 30 16-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	1.72	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 5,000, Deduct	-0.43	
For >5,000, Deduct	-0.60	
33 01 30 16-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.29	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.80	
33 01 30 16-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.85	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.29	
For >1,000 To 5,000, Deduct	-0.71	
For >5,000, Deduct	-1.00	
33 01 30 16-0030 LF >21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.80	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.33	
33 01 30 16-0031 LF >30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.35	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.54	
For >1,000 To 5,000, Deduct	-1.34	
For >5,000, Deduct	-1.87	
33 01 30 16-0032 LF >42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.13	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 5,000, Deduct	-1.78	
For >5,000, Deduct	-2.50	
33 01 30 16-0033 LF >60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.07	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.01	
For >1,000 To 5,000, Deduct	-2.52	
For >5,000, Deduct	-3.52	
33 01 30 16-0034 LF >72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.26	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.43	
For >1,000 To 5,000, Deduct	-3.57	
For >5,000, Deduct	-4.99	
33 01 30 41 Cleaning of Sewers (33 01 30)		
33 01 30 41-0001 Pipe Line Cleaning And Flushing (33 01 30 41)		
Note: Includes flushing. Owner provided water.		
33 01 30 41-0002 Pipe Line Cleaning (33 01 30 41-0001)		
Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003 Hydro Jet Set-up And Reinsertion (33 01 30 41-0002)		
33 01 30 41-0004 EA Initial Set Up And Final Equipment Removal For Jet Cleaning.....	1,946.55	
33 01 30 41-0005 EA Move And Reset Up At Different Access/Location For Jet Cleaning.....	486.63	
33 01 30 41-0006 Hydro Jet Cleaning Of Sewer And Water Pipelines (33 01 30 41-0002)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0007 LF Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	2.61	
<i>For >250 To 500, Deduct</i>	-0.13	
<i>For >500 To 1,000, Deduct</i>	-0.26	
<i>For >1,000 To 2,000, Deduct</i>	-0.39	
<i>For >2,000 To 5,000, Deduct</i>	-0.52	
<i>For >5,000, Deduct</i>	-0.65	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	1.96	
33 01 30 41-0008 LF 6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.00	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.30	
<i>For >1,000 To 2,000, Deduct</i>	-0.45	
<i>For >2,000 To 5,000, Deduct</i>	-0.60	
<i>For >5,000, Deduct</i>	-0.75	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.25	
33 01 30 41-0009 LF 8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.52	
<i>For >250 To 500, Deduct</i>	-0.18	
<i>For >500 To 1,000, Deduct</i>	-0.35	
<i>For >1,000 To 2,000, Deduct</i>	-0.53	
<i>For >2,000 To 5,000, Deduct</i>	-0.70	
<i>For >5,000, Deduct</i>	-0.88	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	2.64	
33 01 30 41-0010 LF 10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.36	
<i>For >250 To 500, Deduct</i>	-0.22	
<i>For >500 To 1,000, Deduct</i>	-0.44	
<i>For >1,000 To 2,000, Deduct</i>	-0.65	
<i>For >2,000 To 5,000, Deduct</i>	-0.87	
<i>For >5,000, Deduct</i>	-1.09	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.27	
33 01 30 41-0011 LF 12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.95	
<i>For >250 To 500, Deduct</i>	-0.25	
<i>For >500 To 1,000, Deduct</i>	-0.50	
<i>For >1,000 To 2,000, Deduct</i>	-0.74	
<i>For >2,000 To 5,000, Deduct</i>	-0.99	
<i>For >5,000, Deduct</i>	-1.24	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	3.71	
33 01 30 41-0012 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	5.71	
<i>For >250 To 500, Deduct</i>	-0.29	
<i>For >500 To 1,000, Deduct</i>	-0.57	
<i>For >1,000 To 2,000, Deduct</i>	-0.86	
<i>For >2,000 To 5,000, Deduct</i>	-1.14	
<i>For >5,000, Deduct</i>	-1.43	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	4.28	
33 01 30 41-0013 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.87	
<i>For >250 To 500, Deduct</i>	-0.34	
<i>For >500 To 1,000, Deduct</i>	-0.69	
<i>For >1,000 To 2,000, Deduct</i>	-1.03	
<i>For >2,000 To 5,000, Deduct</i>	-1.37	
<i>For >5,000, Deduct</i>	-1.72	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.15	
33 01 30 41-0014 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.79	
<i>For >250 To 500, Deduct</i>	-0.39	
<i>For >500 To 1,000, Deduct</i>	-0.78	
<i>For >1,000 To 2,000, Deduct</i>	-1.17	
<i>For >2,000 To 5,000, Deduct</i>	-1.56	
<i>For >5,000, Deduct</i>	-1.95	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	5.84	
33 01 30 41-0015 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	9.22	
<i>For >250 To 500, Deduct</i>	-0.46	
<i>For >500 To 1,000, Deduct</i>	-0.92	
<i>For >1,000 To 2,000, Deduct</i>	-1.38	
<i>For >2,000 To 5,000, Deduct</i>	-1.84	
<i>For >5,000, Deduct</i>	-2.31	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	6.92	
33 01 30 41-0016 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	11.59	
<i>For >250 To 500, Deduct</i>	-0.58	
<i>For >500 To 1,000, Deduct</i>	-1.16	
<i>For >1,000 To 2,000, Deduct</i>	-1.74	
<i>For >2,000 To 5,000, Deduct</i>	-2.32	
<i>For >5,000, Deduct</i>	-2.90	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	8.69	
33 01 30 41-0017 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	13.51	
<i>For >250 To 500, Deduct</i>	-0.68	
<i>For >500 To 1,000, Deduct</i>	-1.35	
<i>For >1,000 To 2,000, Deduct</i>	-2.03	
<i>For >2,000 To 5,000, Deduct</i>	-2.70	
<i>For >5,000, Deduct</i>	-3.38	
<i>For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add</i>	10.13	
33 01 30 41-0018 Flushing Of Storm Water Pipelines (33 01 30 41-0002)		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0019 LF 12" To 16" Diameter Pipe Line Flushing	1.10	
<i>For >250 To 500, Deduct</i>	-0.06	
<i>For >500 To 1,000, Deduct</i>	-0.11	
<i>For >1,000 To 2,000, Deduct</i>	-0.17	
<i>For >2,000 To 5,000, Deduct</i>	-0.22	
<i>For >5,000, Deduct</i>	-0.28	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0020 LF >16" To 24" Diameter Pipe Line Flushing	1.26	
For >250 To 500, Deduct	-0.06	
For >500 To 1,000, Deduct	-0.13	
For >1,000 To 2,000, Deduct	-0.19	
For >2,000 To 5,000, Deduct	-0.25	
For >5,000, Deduct	-0.32	
33 01 30 41-0021 LF >24" To 30" Diameter Pipe Line Flushing	1.48	
For >250 To 500, Deduct	-0.07	
For >500 To 1,000, Deduct	-0.15	
For >1,000 To 2,000, Deduct	-0.22	
For >2,000 To 5,000, Deduct	-0.30	
For >5,000, Deduct	-0.37	
33 01 30 41-0022 LF >30" To 42" Diameter Pipe Line Flushing	1.71	
For >250 To 500, Deduct	-0.09	
For >500 To 1,000, Deduct	-0.17	
For >1,000 To 2,000, Deduct	-0.26	
For >2,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.43	
33 01 30 41-0023 LF >42" To 60" Diameter Pipe Line Flushing	2.28	
For >250 To 500, Deduct	-0.11	
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 2,000, Deduct	-0.34	
For >2,000 To 5,000, Deduct	-0.46	
For >5,000, Deduct	-0.57	
33 01 30 41-0024 Hydro Jet Cleaning Of Culverts (33 01 30 41-0002)		
33 01 30 41-0025 LF Jet Cleaning Of Culvert, 0-250 LF	12.11	
For >250 To 500, Deduct	-0.61	
For >500 To 1,000, Deduct	-1.21	
For >1,000 To 2,000, Deduct	-1.82	
For >2,000 To 5,000, Deduct	-2.42	
For >5,000, Deduct	-3.03	
33 01 30 41-0026 Pipe Line Cleaning, Mechanical Method (33 01 30 41-0001)		
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0027 EA Initial Set Up And Final Equipment Removal For Mechanical Cleaning	910.84	
33 01 30 41-0028 EA Move And Reset Up At Different Access/Location	303.62	
33 01 30 41-0029 LF Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	5.21	
For >250 To 500, Deduct	-0.25	
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 2,000, Deduct	-0.76	
For >2,000 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-1.27	
33 01 30 41-0030 LF 6" Diameter Pipe Line Cleaning, Mechanical Method	6.81	
For >250 To 500, Deduct	-0.33	
For >500 To 1,000, Deduct	-0.65	
For >1,000 To 2,000, Deduct	-0.98	
For >2,000 To 5,000, Deduct	-1.30	
For >5,000, Deduct	-1.63	
33 01 30 41-0031 LF 8" Diameter Pipe Line Cleaning, Mechanical Method	7.96	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.76	
For >1,000 To 2,000, Deduct	-1.14	
For >2,000 To 5,000, Deduct	-1.52	
For >5,000, Deduct	-1.90	
33 01 30 41-0032 LF 10" Diameter Pipe Line Cleaning, Mechanical Method	9.21	
For >250 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.88	
For >1,000 To 2,000, Deduct	-1.31	
For >2,000 To 5,000, Deduct	-1.75	
For >5,000, Deduct	-2.19	
33 01 30 41-0033 LF 12" Diameter Pipe Line Cleaning, Mechanical Method	10.01	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.95	
For >1,000 To 2,000, Deduct	-1.42	
For >2,000 To 5,000, Deduct	-1.90	
For >5,000, Deduct	-2.37	
33 01 30 41-0034 LF >12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	11.51	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-1.08	
For >1,000 To 2,000, Deduct	-1.63	
For >2,000 To 5,000, Deduct	-2.17	
For >5,000, Deduct	-2.71	
33 01 30 41-0035 LF >16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	14.44	
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.34	
For >1,000 To 2,000, Deduct	-2.01	
For >2,000 To 5,000, Deduct	-2.68	
For >5,000, Deduct	-3.35	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0036 LF >24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	16.43	
<i>For >250 To 500, Deduct</i>	-0.75	
<i>For >500 To 1,000, Deduct</i>	-1.49	
<i>For >1,000 To 2,000, Deduct</i>	-2.24	
<i>For >2,000 To 5,000, Deduct</i>	-2.99	
<i>For >5,000, Deduct</i>	-3.73	
33 01 30 41-0037 LF >30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	19.06	
<i>For >250 To 500, Deduct</i>	-0.86	
<i>For >500 To 1,000, Deduct</i>	-1.72	
<i>For >1,000 To 2,000, Deduct</i>	-2.58	
<i>For >2,000 To 5,000, Deduct</i>	-3.44	
<i>For >5,000, Deduct</i>	-4.30	
33 01 30 41-0038 LF >42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	25.02	
<i>For >250 To 500, Deduct</i>	-1.14	
<i>For >500 To 1,000, Deduct</i>	-2.28	
<i>For >1,000 To 2,000, Deduct</i>	-3.42	
<i>For >2,000 To 5,000, Deduct</i>	-4.55	
<i>For >5,000, Deduct</i>	-5.69	
33 01 30 41-0039 LF >60" Diameter Pipe Line Cleaning, Mechanical Method.....	28.30	
<i>For >250 To 500, Deduct</i>	-1.27	
<i>For >500 To 1,000, Deduct</i>	-2.53	
<i>For >1,000 To 2,000, Deduct</i>	-3.80	
<i>For >2,000 To 5,000, Deduct</i>	-5.06	
<i>For >5,000, Deduct</i>	-6.33	
33 01 30 41-0040 Pipe Line Auguring/Rod Out Pipe (33 01 30 41-0001)		
33 01 30 41-0041 EA Initial Set Up And Final Equipment Removal For Auguring	910.84	
33 01 30 41-0042 EA Move And Reset Up At Different Location	303.62	
33 01 30 41-0043 LF Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.04	
<i>For >250 To 500, Deduct</i>	-0.15	
<i>For >500 To 1,000, Deduct</i>	-0.30	
<i>For >1,000 To 2,000, Deduct</i>	-0.46	
<i>For >2,000 To 5,000, Deduct</i>	-0.61	
<i>For >5,000, Deduct</i>	-0.76	
33 01 30 41-0044 LF 6" Diameter Pipe Line Auguring/Rod Out	3.92	
<i>For >250 To 500, Deduct</i>	-0.20	
<i>For >500 To 1,000, Deduct</i>	-0.39	
<i>For >1,000 To 2,000, Deduct</i>	-0.59	
<i>For >2,000 To 5,000, Deduct</i>	-0.78	
<i>For >5,000, Deduct</i>	-0.98	
33 01 30 41-0045 LF 8" Diameter Pipe Line Auguring/Rod Out	4.55	
<i>For >250 To 500, Deduct</i>	-0.23	
<i>For >500 To 1,000, Deduct</i>	-0.46	
<i>For >1,000 To 2,000, Deduct</i>	-0.68	
<i>For >2,000 To 5,000, Deduct</i>	-0.91	
<i>For >5,000, Deduct</i>	-1.14	
33 01 30 41-0046 LF 10" Diameter Pipe Line Auguring/Rod Out	5.30	
<i>For >250 To 500, Deduct</i>	-0.27	
<i>For >500 To 1,000, Deduct</i>	-0.53	
<i>For >1,000 To 2,000, Deduct</i>	-0.80	
<i>For >2,000 To 5,000, Deduct</i>	-1.06	
<i>For >5,000, Deduct</i>	-1.33	
33 01 30 41-0047 LF 12" Diameter Pipe Line Auguring/Rod Out	5.69	
<i>For >250 To 500, Deduct</i>	-0.28	
<i>For >500 To 1,000, Deduct</i>	-0.57	
<i>For >1,000 To 2,000, Deduct</i>	-0.85	
<i>For >2,000 To 5,000, Deduct</i>	-1.14	
<i>For >5,000, Deduct</i>	-1.42	
33 01 30 41-0048 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out.....	6.51	
<i>For >250 To 500, Deduct</i>	-0.33	
<i>For >500 To 1,000, Deduct</i>	-0.65	
<i>For >1,000 To 2,000, Deduct</i>	-0.98	
<i>For >2,000 To 5,000, Deduct</i>	-1.30	
<i>For >5,000, Deduct</i>	-1.63	
33 01 30 41-0049 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out.....	7.99	
<i>For >250 To 500, Deduct</i>	-0.40	
<i>For >500 To 1,000, Deduct</i>	-0.80	
<i>For >1,000 To 2,000, Deduct</i>	-1.20	
<i>For >2,000 To 5,000, Deduct</i>	-1.60	
<i>For >5,000, Deduct</i>	-2.00	
33 01 30 41-0050 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out.....	8.93	
<i>For >250 To 500, Deduct</i>	-0.45	
<i>For >500 To 1,000, Deduct</i>	-0.89	
<i>For >1,000 To 2,000, Deduct</i>	-1.34	
<i>For >2,000 To 5,000, Deduct</i>	-1.79	
<i>For >5,000, Deduct</i>	-2.23	
33 01 30 41-0051 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out.....	10.35	
<i>For >250 To 500, Deduct</i>	-0.52	
<i>For >500 To 1,000, Deduct</i>	-1.04	
<i>For >1,000 To 2,000, Deduct</i>	-1.55	
<i>For >2,000 To 5,000, Deduct</i>	-2.07	
<i>For >5,000, Deduct</i>	-2.59	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0052 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out	14.23	
For >250 To 500, Deduct	-0.71	
For >500 To 1,000, Deduct	-1.42	
For >1,000 To 2,000, Deduct	-2.13	
For >2,000 To 5,000, Deduct	-2.85	
For >5,000, Deduct	-3.56	
33 01 30 41-0053 LF >60" Diameter Pipe Line Auguring/Rod Out	15.18	
For >250 To 500, Deduct	-0.76	
For >500 To 1,000, Deduct	-1.52	
For >1,000 To 2,000, Deduct	-2.28	
For >2,000 To 5,000, Deduct	-3.04	
For >5,000, Deduct	-3.80	
33 01 30 42 Cleaning of Manholes (33 01 30)		
33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)		
Note: Includes flushing. Owner provided water.		
33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)		
33 01 30 42-0003 EA Rod Out Sewer Catch Basin	74.78	
33 01 30 42-0004 EA Clean Out Debris From Entrance To Inlet Structure	186.96	
33 01 30 42-0005 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand.....	683.14	
For >10 To 100, Deduct	-102.47	
For >100 To 250, Deduct	-153.71	
For >250, Deduct	-204.94	
33 01 30 42-0006 EA 5' To 6' Diameter, Clean Out Blocked Manhole By Hand.....	819.76	
For >10 To 100, Deduct	-122.96	
For >100 To 250, Deduct	-184.45	
For >250, Deduct	-245.93	
33 01 30 42-0007 EA Clean Out Blocked Catch Basin By Hand.....	409.88	
For >10 To 100, Deduct	-61.48	
For >100 To 250, Deduct	-92.22	
For >250, Deduct	-122.96	
33 01 30 42-0008 Cleaning Manholes And Drainage Structures (33 01 30 42-0001)		
Note: Includes removal of debris. Excludes disposal.		
33 01 30 42-0009 VLF Waterblast Cleaning For 3' To 4' Diameter Manhole.....	81.11	
33 01 30 42-0010 VLF Waterblast Cleaning For 5' To 6' Diameter Manhole.....	101.38	
33 01 30 42-0011 EA Vacuum Out 1 To 2 Catch Basins Or Manholes	1,096.59	
Note: Includes vacuum pump equipment.		
33 01 30 42-0012 EA Vacuum Out 3 To 10 Catch Basins Or Manholes	822.45	
Note: Includes vacuum pump equipment.		
33 01 30 42-0013 EA Vacuum Out 11 To 25 Catch Basins Or Manholes	548.30	
Note: Includes vacuum pump equipment.		
33 01 30 42-0014 EA Vacuum Out 26 To 100 Catch Basins Or Manholes	479.76	
Note: Includes vacuum pump equipment.		
33 01 30 42-0015 EA Vacuum Out 101 To 250 Catch Basins Or Manholes	445.49	
Note: Includes vacuum pump equipment.		
33 01 30 42-0016 EA Vacuum Out >250 Catch Basins Or Manholes	411.22	
Note: Includes vacuum pump equipment.		
33 01 30 42-0017 EA Pump Out Blocked Manhole, 3' To 4' Diameter Includes Pump Equipment.....	299.13	
33 01 30 42-0018 EA Pump Out Blocked Manhole, 5' To 6' Diameter Includes Pump Equipment.....	448.69	
33 01 30 51 Maintenance Of Utilities (33 01 30)		
33 01 30 51-0001 Pipe Repair (33 01 30 51)		
33 01 30 51-0002 Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)		
Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 226).		
33 01 30 51-0003 EA 2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	105.49	
For Stainless Steel Nuts And Bolts, Add	18.09	
33 01 30 51-0004 EA 2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	151.05	
For Stainless Steel Nuts And Bolts, Add	27.26	
33 01 30 51-0005 EA 2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	174.98	
For Stainless Steel Nuts And Bolts, Add	32.11	
33 01 30 51-0006 EA 2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	199.62	
For Stainless Steel Nuts And Bolts, Add	36.94	
33 01 30 51-0007 EA 2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	113.87	
For Stainless Steel Nuts And Bolts, Add	19.65	
33 01 30 51-0008 EA 2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	160.64	
For Stainless Steel Nuts And Bolts, Add	29.10	
33 01 30 51-0009 EA 2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	184.47	
For Stainless Steel Nuts And Bolts, Add	33.83	
33 01 30 51-0010 EA 2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	213.55	
For Stainless Steel Nuts And Bolts, Add	39.58	
33 01 30 51-0011 EA 3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	122.73	
For Stainless Steel Nuts And Bolts, Add	21.50	
33 01 30 51-0012 EA 3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	167.21	
For Stainless Steel Nuts And Bolts, Add	30.42	
33 01 30 51-0013 EA 3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts	193.67	
For Stainless Steel Nuts And Bolts, Add	35.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0014 EA 3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	226.37	
For Stainless Steel Nuts And Bolts, Add	42.34	
33 01 30 51-0015 EA 4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	138.44	
For Stainless Steel Nuts And Bolts, Add	24.44	
33 01 30 51-0016 EA 4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	183.29	
For Stainless Steel Nuts And Bolts, Add	32.90	
33 01 30 51-0017 EA 4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	222.39	
For Stainless Steel Nuts And Bolts, Add	40.05	
33 01 30 51-0018 EA 4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	267.96	
For Stainless Steel Nuts And Bolts, Add	48.31	
33 01 30 51-0019 EA 4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	351.63	
For Stainless Steel Nuts And Bolts, Add	64.89	
33 01 30 51-0020 EA 4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	438.01	
For Stainless Steel Nuts And Bolts, Add	81.46	
33 01 30 51-0021 EA 4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	534.75	
For Stainless Steel Nuts And Bolts, Add	99.93	
33 01 30 51-0022 EA 6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	160.13	
For Stainless Steel Nuts And Bolts, Add	28.22	
33 01 30 51-0023 EA 6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	215.82	
For Stainless Steel Nuts And Bolts, Add	38.88	
33 01 30 51-0024 EA 6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	253.81	
For Stainless Steel Nuts And Bolts, Add	45.47	
33 01 30 51-0025 EA 6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	289.80	
For Stainless Steel Nuts And Bolts, Add	51.16	
33 01 30 51-0026 EA 6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	413.85	
For Stainless Steel Nuts And Bolts, Add	76.60	
33 01 30 51-0027 EA 6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	500.89	
For Stainless Steel Nuts And Bolts, Add	92.83	
33 01 30 51-0028 EA 6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	595.80	
For Stainless Steel Nuts And Bolts, Add	110.35	
33 01 30 51-0029 EA 8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	205.25	
For Stainless Steel Nuts And Bolts, Add	33.44	
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	270.61	
For Stainless Steel Nuts And Bolts, Add	45.03	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	322.90	
For Stainless Steel Nuts And Bolts, Add	53.61	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	385.77	
For Stainless Steel Nuts And Bolts, Add	63.94	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	519.71	
For Stainless Steel Nuts And Bolts, Add	89.76	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	618.62	
For Stainless Steel Nuts And Bolts, Add	106.65	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	729.71	
For Stainless Steel Nuts And Bolts, Add	124.97	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	246.93	
For Stainless Steel Nuts And Bolts, Add	41.99	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	327.15	
For Stainless Steel Nuts And Bolts, Add	56.74	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	380.15	
For Stainless Steel Nuts And Bolts, Add	65.23	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	473.42	
For Stainless Steel Nuts And Bolts, Add	82.21	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	617.07	
For Stainless Steel Nuts And Bolts, Add	109.91	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	703.04	
For Stainless Steel Nuts And Bolts, Add	123.32	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	926.34	
For Stainless Steel Nuts And Bolts, Add	167.10	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	274.94	
For Stainless Steel Nuts And Bolts, Add	46.02	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	355.81	
For Stainless Steel Nuts And Bolts, Add	60.32	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	439.13	
For Stainless Steel Nuts And Bolts, Add	75.18	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	534.89	
For Stainless Steel Nuts And Bolts, Add	92.04	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	688.08	
For Stainless Steel Nuts And Bolts, Add	121.08	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	819.36	
For Stainless Steel Nuts And Bolts, Add	143.87	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts.....	1,035.04	
For Stainless Steel Nuts And Bolts, Add	184.53	
33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small>		
Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe. (Smith-Blair Model 228).		
33 01 30 51-0051 EA 14.38"-15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts.....	681.08	
For Stainless Steel Nuts And Bolts, Add	196.97	
33 01 30 51-0052 EA 14.38"-15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts.....	969.00	
For Stainless Steel Nuts And Bolts, Add	284.35	
33 01 30 51-0053 EA 14.38"-15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts.....	1,306.63	
For Stainless Steel Nuts And Bolts, Add	385.60	
33 01 30 51-0054 EA 14.38"-15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts.....	1,933.49	
For Stainless Steel Nuts And Bolts, Add	581.18	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0055 EA 15.07"-15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	714.83 206.66	
33 01 30 51-0056 EA 15.07"-15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,014.28 297.53	
33 01 30 51-0057 EA 15.07"-15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,364.16 402.24	
33 01 30 51-0058 EA 15.07"-15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,026.65 608.92	
33 01 30 51-0059 EA 15.92"-16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	732.33 210.83	
33 01 30 51-0060 EA 15.92"-16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,037.33 303.08	
33 01 30 51-0061 EA 15.92"-16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,398.93 411.26	
33 01 30 51-0062 EA 15.92"-16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,076.60 622.08	
33 01 30 51-0063 EA 16.56"-17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	750.56 214.99	
33 01 30 51-0064 EA 16.56"-17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,063.55 309.32	
33 01 30 51-0065 EA 16.56"-17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,431.84 418.89	
33 01 30 51-0066 EA 16.56"-17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,126.06 634.58	
33 01 30 51-0067 EA 17.15"-17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	766.77 218.46	
33 01 30 51-0068 EA 17.15"-17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,085.67 314.17	
33 01 30 51-0069 EA 17.15"-17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,464.74 426.51	
33 01 30 51-0070 EA 17.15"-17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,170.14 644.97	
33 01 30 51-0071 EA 17.82"-18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	782.21 221.94	
33 01 30 51-0072 EA 17.82"-18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,108.72 319.71	
33 01 30 51-0073 EA 17.82"-18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,494.13 433.45	
33 01 30 51-0074 EA 17.82"-18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,255.81 670.04	
33 01 30 51-0075 EA 18.46"-19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	800.15 226.25	
33 01 30 51-0076 EA 18.46"-19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,136.23 326.65	
33 01 30 51-0077 EA 18.46"-19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	1,525.53 441.08	
33 01 30 51-0078 EA 18.46"-19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts <i>For Stainless Steel Nuts And Bolts, Add</i>	2,262.71 668.56	
33 01 30 71 Rehabilitation Of Sewer Utilities (33 01 30)		
33 01 30 71-0001 Cementitious Pipe Coatings By Hand (33 01 30 71)		
Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 71-0002 SF Up To 1" Thick Cementitious Coating On Pipe, Troweled On.....	6.00	
33 01 30 71-0003 SF >1" To 2" Thick Cementitious Coating On Pipe, Troweled On.....	8.78	
33 01 30 72 Relining Pipelines (33 01 30)		
33 01 30 72-0001 Relining Underground Pipelines (33 01 30 72)		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 16-0000 for CCTV Inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 72-0002 Relining Underground Pipelines Set-Up And Reinsertion (33 01 30 72-0001)		
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Underground Pipelines.....	3,651.90	
33 01 30 72-0004 EA Move And Reset Up At Different Access/Location For Relining Underground Pipelines	1,460.76	
33 01 30 72-0005 EA Mixing Truck And Refrigeration For 54" To 72" CIPP	24,832.13	
Note: Need to mix wet material in bag prior to installation. Not needed for small sizes.		
33 01 30 72-0006 Lining Pipe With Cured In-Place Pipe (33 01 30 72-0001)		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube.		
33 01 30 72-0007 LF 6mm Lining 6" Pipe With Cured In-Place Pipe (CIPP)	24.40	
For Up To 75, Add	15.84	
For >75 To 150, Add	7.92	
For >500 To 1,000, Deduct	-0.66	
For >1,000 To 2,000, Deduct	-1.27	
For >2,000 To 5,000, Deduct	-1.97	
For >5,000, Deduct	-2.86	
For 7.5mm Liner Thickness, Add	3.99	
For 9mm Liner Thickness, Add	8.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0008 LF 6mm Lining 8" Pipe With Cured In-Place Pipe (CIPP)	26.99	
For Up To 75, Add	17.27	
For >75 To 150, Add	8.63	
For >500 To 1,000, Deduct	-0.72	
For >1,000 To 2,000, Deduct	-1.40	
For >2,000 To 5,000, Deduct	-2.17	
For >5,000, Deduct	-3.16	
For 7.5mm Liner Thickness, Add	4.47	
For 9mm Liner Thickness, Add	9.03	
33 01 30 72-0009 LF 6mm Lining 10" Pipe With Cured In-Place Pipe (CIPP)	30.18	
For Up To 75, Add	18.98	
For >75 To 150, Add	9.49	
For >500 To 1,000, Deduct	-0.80	
For >1,000 To 2,000, Deduct	-1.56	
For >2,000 To 5,000, Deduct	-2.41	
For >5,000, Deduct	-3.52	
For 7.5mm Liner Thickness, Add	5.06	
For 9mm Liner Thickness, Add	10.22	
33 01 30 72-0010 LF 6mm Lining 12" Pipe With Cured In-Place Pipe (CIPP)	33.61	
For Up To 75, Add	20.97	
For >75 To 150, Add	10.49	
For >500 To 1,000, Deduct	-0.89	
For >1,000 To 2,000, Deduct	-1.73	
For >2,000 To 5,000, Deduct	-2.67	
For >5,000, Deduct	-3.91	
For 7.5mm Liner Thickness, Add	5.66	
For 9mm Liner Thickness, Add	11.45	
33 01 30 72-0011 LF 6mm Lining 15" Pipe With Cured In-Place Pipe (CIPP)	38.60	
For Up To 75, Add	23.91	
For >75 To 150, Add	11.95	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,000, Deduct	-1.98	
For >2,000 To 5,000, Deduct	-3.06	
For >5,000, Deduct	-4.48	
For 7.5mm Liner Thickness, Add	6.54	
For 9mm Liner Thickness, Add	13.22	
For 10.5mm Liner Thickness, Add	19.81	
For 12mm Liner Thickness, Add	26.36	
For 13.5mm Liner Thickness, Add	33.00	
For 15mm Liner Thickness, Add	39.54	
33 01 30 72-0012 LF 6mm Lining 18" Pipe With Cured In-Place Pipe (CIPP)	45.09	
For Up To 75, Add	27.27	
For >75 To 150, Add	13.64	
For >500 To 1,000, Deduct	-1.18	
For >1,000 To 2,000, Deduct	-2.30	
For >2,000 To 5,000, Deduct	-3.55	
For >5,000, Deduct	-5.21	
For 7.5mm Liner Thickness, Add	7.76	
For 9mm Liner Thickness, Add	15.70	
For 10.5mm Liner Thickness, Add	23.52	
For 12mm Liner Thickness, Add	31.30	
For 13.5mm Liner Thickness, Add	39.19	
For 15mm Liner Thickness, Add	46.95	
33 01 30 72-0013 LF 6mm Lining 21" Pipe With Cured In-Place Pipe (CIPP)	50.49	
For Up To 75, Add	29.87	
For >75 To 150, Add	14.94	
For >500 To 1,000, Deduct	-1.31	
For >1,000 To 2,000, Deduct	-2.55	
For >2,000 To 5,000, Deduct	-3.94	
For >5,000, Deduct	-5.81	
For 7.5mm Liner Thickness, Add	8.82	
For 9mm Liner Thickness, Add	17.83	
For 10.5mm Liner Thickness, Add	26.72	
For 12mm Liner Thickness, Add	35.56	
For 13.5mm Liner Thickness, Add	44.52	
For 15mm Liner Thickness, Add	53.34	
For 16.5mm Liner Thickness, Add	63.30	
For 18mm Liner Thickness, Add	72.35	
For 19.5mm Liner Thickness, Add	81.67	
For 21mm Liner Thickness, Add	90.62	
For 22.5mm Liner Thickness, Add	99.67	
For 24mm Liner Thickness, Add	108.74	
For 27mm Liner Thickness, Add	126.91	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0014 LF 6mm Lining 24" Pipe With Cured In-Place Pipe (CIPP)	55.11	
For Up To 75, Add	32.60	
For >75 To 150, Add	16.30	
For >500 To 1,000, Deduct	-1.43	
For >1,000 To 2,000, Deduct	-2.79	
For >2,000 To 5,000, Deduct	-4.30	
For >5,000, Deduct	-6.34	
For 7.5mm Liner Thickness, Add	9.63	
For 9mm Liner Thickness, Add	19.47	
For 10.5mm Liner Thickness, Add	29.17	
For 12mm Liner Thickness, Add	38.82	
For 13.5mm Liner Thickness, Add	48.60	
For 15mm Liner Thickness, Add	58.23	
For 16.5mm Liner Thickness, Add	69.10	
For 18mm Liner Thickness, Add	78.97	
For 19.5mm Liner Thickness, Add	89.15	
For 21mm Liner Thickness, Add	98.92	
For 22.5mm Liner Thickness, Add	108.79	
For 24mm Liner Thickness, Add	118.70	
For 27mm Liner Thickness, Add	138.52	
33 01 30 72-0015 LF 6mm Lining 27" Pipe With Cured In-Place Pipe (CIPP)	62.02	
For Up To 75, Add	36.14	
For >75 To 150, Add	18.07	
For >500 To 1,000, Deduct	-1.61	
For >1,000 To 2,000, Deduct	-3.12	
For >2,000 To 5,000, Deduct	-4.82	
For >5,000, Deduct	-7.12	
For 7.5mm Liner Thickness, Add	10.94	
For 9mm Liner Thickness, Add	22.12	
For 10.5mm Liner Thickness, Add	33.15	
For 12mm Liner Thickness, Add	44.11	
For 13.5mm Liner Thickness, Add	55.23	
For 15mm Liner Thickness, Add	66.17	
For 16.5mm Liner Thickness, Add	78.52	
For 18mm Liner Thickness, Add	89.73	
For 19.5mm Liner Thickness, Add	101.30	
For 21mm Liner Thickness, Add	112.41	
For 22.5mm Liner Thickness, Add	123.62	
For 24mm Liner Thickness, Add	134.88	
For 27mm Liner Thickness, Add	157.41	
33 01 30 72-0016 LF 6mm Lining 30" Pipe With Cured In-Place Pipe (CIPP)	68.91	
For Up To 75, Add	40.16	
For >75 To 150, Add	20.08	
For >500 To 1,000, Deduct	-1.78	
For >1,000 To 2,000, Deduct	-3.47	
For >2,000 To 5,000, Deduct	-5.35	
For >5,000, Deduct	-7.91	
For 7.5mm Liner Thickness, Add	12.16	
For 9mm Liner Thickness, Add	24.58	
For 10.5mm Liner Thickness, Add	36.83	
For 12mm Liner Thickness, Add	49.01	
For 13.5mm Liner Thickness, Add	61.36	
For 15mm Liner Thickness, Add	73.51	
For 16.5mm Liner Thickness, Add	87.24	
For 18mm Liner Thickness, Add	99.70	
For 19.5mm Liner Thickness, Add	112.55	
For 21mm Liner Thickness, Add	124.89	
For 22.5mm Liner Thickness, Add	137.35	
For 24mm Liner Thickness, Add	149.86	
For 27mm Liner Thickness, Add	174.89	
33 01 30 72-0017 LF 6mm Lining 36" Pipe With Cured In-Place Pipe (CIPP)	84.13	
For Up To 75, Add	46.49	
For >75 To 150, Add	23.25	
For >500 To 1,000, Deduct	-2.14	
For >1,000 To 2,000, Deduct	-4.16	
For >2,000 To 5,000, Deduct	-6.42	
For >5,000, Deduct	-9.55	
For 7.5mm Liner Thickness, Add	15.33	
For 9mm Liner Thickness, Add	30.99	
For 10.5mm Liner Thickness, Add	46.44	
For 12mm Liner Thickness, Add	61.80	
For 13.5mm Liner Thickness, Add	77.37	
For 15mm Liner Thickness, Add	92.70	
For 16.5mm Liner Thickness, Add	110.01	
For 18mm Liner Thickness, Add	125.72	
For 19.5mm Liner Thickness, Add	141.93	
For 21mm Liner Thickness, Add	157.49	
For 22.5mm Liner Thickness, Add	173.20	
For 24mm Liner Thickness, Add	188.97	
For 27mm Liner Thickness, Add	220.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0018 LF 13.5mm Lining 42" Pipe With Cured In-Place Pipe (CIPP)	190.17	
For Up To 75, Add	71.94	
For >75 To 150, Add	35.97	
For >500 To 1,000, Deduct	-4.33	
For >1,000 To 2,000, Deduct	-8.52	
For >2,000 To 5,000, Deduct	-12.98	
For >5,000, Deduct	-20.32	
For 15mm Liner Thickness, Add	18.23	
For 16.5mm Liner Thickness, Add	38.48	
For 18mm Liner Thickness, Add	58.02	
For 19.5mm Liner Thickness, Add	76.53	
For 21mm Liner Thickness, Add	95.21	
For 22.5mm Liner Thickness, Add	113.81	
For 24mm Liner Thickness, Add	132.81	
For 27mm Liner Thickness, Add	173.23	
33 01 30 72-0019 LF 13.5mm Lining 48" Pipe With Cured In-Place Pipe (CIPP)	217.96	
For Up To 75, Add	83.16	
For >75 To 150, Add	41.58	
For >500 To 1,000, Deduct	-4.97	
For >1,000 To 2,000, Deduct	-9.78	
For >2,000 To 5,000, Deduct	-14.90	
For >5,000, Deduct	-23.32	
For 15mm Liner Thickness, Add	20.83	
For 16.5mm Liner Thickness, Add	43.97	
For 18mm Liner Thickness, Add	66.31	
For 19.5mm Liner Thickness, Add	87.46	
For 21mm Liner Thickness, Add	108.80	
For 22.5mm Liner Thickness, Add	130.06	
For 24mm Liner Thickness, Add	151.78	
For 27mm Liner Thickness, Add	197.96	
33 01 30 72-0020 LF 15mm Lining 54" Pipe With Cured In-Place Pipe (CIPP)	270.97	
For Up To 75, Add	101.66	
For >75 To 150, Add	50.83	
For >500 To 1,000, Deduct	-6.15	
For >1,000 To 2,000, Deduct	-12.12	
For >2,000 To 5,000, Deduct	-18.45	
For >5,000, Deduct	-28.92	
For 16.5mm Liner Thickness, Add	23.47	
For 18mm Liner Thickness, Add	47.13	
For 19.5mm Liner Thickness, Add	70.62	
For 21mm Liner Thickness, Add	94.28	
For 22.5mm Liner Thickness, Add	117.89	
For 24mm Liner Thickness, Add	141.59	
For 27mm Liner Thickness, Add	189.02	
33 01 30 72-0021 LF 18mm Lining 60" Pipe With Cured In-Place Pipe (CIPP)	362.47	
For Up To 75, Add	137.23	
For >75 To 150, Add	68.62	
For >500 To 1,000, Deduct	-8.25	
For >1,000 To 2,000, Deduct	-16.24	
For >2,000 To 5,000, Deduct	-24.74	
For >5,000, Deduct	-38.74	
For 19.5mm Liner Thickness, Add	26.08	
For 21mm Liner Thickness, Add	52.37	
For 22.5mm Liner Thickness, Add	78.57	
For 24mm Liner Thickness, Add	104.87	
For 27mm Liner Thickness, Add	157.55	
33 01 30 72-0022 LF 18mm Lining 66" Pipe With Cured In-Place Pipe (CIPP)	422.27	
For Up To 75, Add	186.18	
For >75 To 150, Add	93.09	
For >500 To 1,000, Deduct	-10.01	
For >1,000 To 2,000, Deduct	-19.63	
For >2,000 To 5,000, Deduct	-30.03	
For >5,000, Deduct	-46.14	
For 19.5mm Liner Thickness, Add	28.69	
For 21mm Liner Thickness, Add	57.62	
For 22.5mm Liner Thickness, Add	86.45	
For 24mm Liner Thickness, Add	115.38	
For 27mm Liner Thickness, Add	173.35	
33 01 30 72-0023 LF 18mm Lining 72" Pipe With Cured In-Place Pipe (CIPP)	512.29	
For Up To 75, Add	280.48	
For >75 To 150, Add	140.24	
For >500 To 1,000, Deduct	-12.98	
For >1,000 To 2,000, Deduct	-25.28	
For >2,000 To 5,000, Deduct	-38.95	
For >5,000, Deduct	-58.08	
For 19.5mm Liner Thickness, Add	31.30	
For 21mm Liner Thickness, Add	62.87	
For 22.5mm Liner Thickness, Add	94.33	
For 24mm Liner Thickness, Add	125.89	
For 27mm Liner Thickness, Add	189.14	

33 01 30 72-0024 Form And Fold Polyethylene (PE) Pipeliner (33 01 30 72-0001)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0025 LF 4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	20.75	
For DR 26 Pipe Liner, Add	3.23	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-1.17	
For >2,000, Deduct	-2.35	
33 01 30 72-0026 LF 6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	25.99	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	
For >500 To 1,000, Deduct	-0.63	
For >1,000 To 2,000, Deduct	-1.26	
For >2,000, Deduct	-2.53	
33 01 30 72-0027 LF 8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	27.01	
For DR 26 Pipe Liner, Add	4.47	
For DR 35 Pipe Liner, Deduct	-2.24	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.37	
For >2,000, Deduct	-2.74	
33 01 30 72-0028 LF 10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	36.79	
For DR 26 Pipe Liner, Add	6.71	
For DR 35 Pipe Liner, Deduct	-3.35	
For DR 41 Pipe Liner, Deduct	-6.71	
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 2,000, Deduct	-1.49	
For >2,000, Deduct	-2.99	
33 01 30 72-0029 LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.22	
For DR 26 Pipe Liner, Add	9.82	
For DR 35 Pipe Liner, Deduct	-4.91	
For DR 41 Pipe Liner, Deduct	-9.82	
For >500 To 1,000, Deduct	-0.82	
For >1,000 To 2,000, Deduct	-1.64	
For >2,000, Deduct	-3.29	
33 01 30 72-0030 LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	67.73	
For DR 35 Pipe Liner, Deduct	-6.91	
For DR 41 Pipe Liner, Deduct	-13.82	
For >500 To 1,000, Deduct	-0.93	
For >1,000 To 2,000, Deduct	-1.87	
For >2,000, Deduct	-3.74	
33 01 30 72-0031 LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	94.19	
For DR 41 Pipe Liner, Deduct	-8.02	
For DR 50 Pipe Liner, Deduct	-16.03	
For >500 To 1,000, Deduct	-1.05	
For >1,000 To 2,000, Deduct	-2.11	
For >2,000, Deduct	-4.21	
33 01 30 72-0032 LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	106.25	
For DR 50 Pipe Liner, Deduct	-13.66	
For DR 55 Pipe Liner, Deduct	-22.76	
For >500 To 1,000, Deduct	-1.14	
For >1,000 To 2,000, Deduct	-2.28	
For >2,000, Deduct	-4.56	
33 01 30 72-0033 LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	128.78	
For DR 60 Pipe Liner, Deduct	-16.83	
For >500 To 1,000, Deduct	-1.25	
For >1,000 To 2,000, Deduct	-2.49	
For >2,000, Deduct	-4.98	
33 01 30 72-0034 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 72-0001)		
33 01 30 72-0035 LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	21.96	
For >500 To 1,000, Deduct	-0.59	
For >1,000 To 2,000, Deduct	-1.17	
For >2,000, Deduct	-2.35	
For DR 26 Pipe Liner, Add	3.54	
33 01 30 72-0036 LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	25.99	
For >500 To 1,000, Deduct	-0.63	
For >1,000 To 2,000, Deduct	-1.26	
For >2,000, Deduct	-2.53	
For DR 26 Pipe Liner, Add	4.39	
For DR 35 Pipe Liner, Deduct	-2.20	
33 01 30 72-0037 LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	28.64	
For >500 To 1,000, Deduct	-0.68	
For >1,000 To 2,000, Deduct	-1.37	
For >2,000, Deduct	-2.74	
For DR 26 Pipe Liner, Add	4.88	
For DR 35 Pipe Liner, Deduct	-2.44	
33 01 30 72-0038 LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	39.22	
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 2,000, Deduct	-1.49	
For >2,000, Deduct	-2.99	
For DR 26 Pipe Liner, Add	7.32	
For DR 35 Pipe Liner, Deduct	-3.66	
For DR 41 Pipe Liner, Deduct	-7.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0039 LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	53.88	
<i>For >500 To 1,000, Deduct</i>	-0.82	
<i>For >1,000 To 2,000, Deduct</i>	-1.64	
<i>For >2,000, Deduct</i>	-3.29	
<i>For DR 26 Pipe Liner, Add</i>	10.73	
<i>For DR 35 Pipe Liner, Deduct</i>	-5.37	
<i>For DR 41 Pipe Liner, Deduct</i>	-10.73	
33 01 30 72-0040 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	72.93	
<i>For >500 To 1,000, Deduct</i>	-0.93	
<i>For >1,000 To 2,000, Deduct</i>	-1.87	
<i>For >2,000, Deduct</i>	-3.74	
<i>For DR 35 Pipe Liner, Deduct</i>	-7.56	
<i>For DR 41 Pipe Liner, Deduct</i>	-15.12	
33 01 30 72-0041 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	101.83	
<i>For >500 To 1,000, Deduct</i>	-1.05	
<i>For >1,000 To 2,000, Deduct</i>	-2.11	
<i>For >2,000, Deduct</i>	-4.21	
<i>For DR 41 Pipe Liner, Deduct</i>	-8.78	
<i>For DR 50 Pipe Liner, Deduct</i>	-17.56	
33 01 30 72-0042 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	114.71	
<i>For >500 To 1,000, Deduct</i>	-1.14	
<i>For >1,000 To 2,000, Deduct</i>	-2.28	
<i>For >2,000, Deduct</i>	-4.56	
<i>For DR 50 Pipe Liner, Deduct</i>	-14.93	
<i>For DR 55 Pipe Liner, Deduct</i>	-24.88	
33 01 30 72-0043 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	139.51	
<i>For >500 To 1,000, Deduct</i>	-1.25	
<i>For >1,000 To 2,000, Deduct</i>	-2.49	
<i>For >2,000, Deduct</i>	-4.98	
<i>For DR 60 Pipe Liner, Deduct</i>	-18.44	
33 01 30 72-0044 Relining Underground Water Pipelines <small>(33 01 30 72)</small>		
<small>Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.</small>		
33 01 30 72-0045 Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 30 72-0044)</small>		
33 01 30 72-0046 EA Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	3,651.90	
33 01 30 72-0047 EA Move And Reset Up At Different Access/Location.....	1,460.76	
33 01 30 72-0048 Lining Pipe With Cement <small>(33 01 30 72-0044)</small>		
33 01 30 72-0049 LF Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	44.17	
<i>For 3/16" Thickness, Add</i>	0.44	
<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0050 LF >500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	39.29	
<i>For 3/16" Thickness, Add</i>	0.44	
<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0051 LF >1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	32.74	
<i>For 3/16" Thickness, Add</i>	0.44	
<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0052 LF >5,000', 4" Pipe, 1/8" Pipe Lining With Cement	24.51	
<i>For 3/16" Thickness, Add</i>	0.44	
<i>For 1/4" Thickness, Add</i>	0.88	
33 01 30 72-0053 LF Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	45.74	
<i>For 3/16" Thickness, Add</i>	0.66	
<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0054 LF >500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	40.67	
<i>For 3/16" Thickness, Add</i>	0.66	
<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0055 LF >1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	33.89	
<i>For 3/16" Thickness, Add</i>	0.66	
<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0056 LF >5,000', 6" Pipe, 1/8" Pipe Lining With Cement	25.55	
<i>For 3/16" Thickness, Add</i>	0.66	
<i>For 1/4" Thickness, Add</i>	1.32	
33 01 30 72-0057 LF Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	47.22	
<i>For 3/16" Thickness, Add</i>	0.88	
<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0058 LF >500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	42.03	
<i>For 3/16" Thickness, Add</i>	0.88	
<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0059 LF >1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	35.03	
<i>For 3/16" Thickness, Add</i>	0.88	
<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0060 LF >5,000', 8" Pipe, 1/8" Pipe Lining With Cement	26.58	
<i>For 3/16" Thickness, Add</i>	0.88	
<i>For 1/4" Thickness, Add</i>	1.75	
33 01 30 72-0061 LF Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	48.30	
<i>For 3/16" Thickness, Add</i>	1.10	
<i>For 1/4" Thickness, Add</i>	2.20	
33 01 30 72-0062 LF >500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	43.03	
<i>For 3/16" Thickness, Add</i>	1.10	
<i>For 1/4" Thickness, Add</i>	2.20	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0063	LF		>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	35.93	
			<i>For 3/16" Thickness, Add</i>	1.10	
			<i>For 1/4" Thickness, Add</i>	2.20	
33 01 30 72-0064	LF		>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	27.62	
			<i>For 3/16" Thickness, Add</i>	1.10	
			<i>For 1/4" Thickness, Add</i>	2.20	
33 01 30 72-0065	LF		Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement.....	52.06	
			<i>For 3/16" Thickness, Add</i>	1.32	
			<i>For 1/4" Thickness, Add</i>	2.63	
33 01 30 72-0066	LF		>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	46.46	
			<i>For 3/16" Thickness, Add</i>	1.32	
			<i>For 1/4" Thickness, Add</i>	2.63	
33 01 30 72-0067	LF		>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	38.90	
			<i>For 3/16" Thickness, Add</i>	1.32	
			<i>For 1/4" Thickness, Add</i>	2.63	
33 01 30 72-0068	LF		>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	29.92	
			<i>For 3/16" Thickness, Add</i>	1.32	
			<i>For 1/4" Thickness, Add</i>	2.63	
33 01 30 72-0069	LF		Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	55.32	
			<i>For 1/4" Thickness, Add</i>	1.46	
			<i>For 5/16" Thickness, Add</i>	2.93	
33 01 30 72-0070	LF		>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	49.50	
			<i>For 1/4" Thickness, Add</i>	1.46	
			<i>For 5/16" Thickness, Add</i>	2.93	
33 01 30 72-0071	LF		>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	41.63	
			<i>For 1/4" Thickness, Add</i>	1.46	
			<i>For 5/16" Thickness, Add</i>	2.93	
33 01 30 72-0072	LF		>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement.....	33.03	
			<i>For 1/4" Thickness, Add</i>	1.46	
			<i>For 5/16" Thickness, Add</i>	2.93	
33 01 30 72-0073	LF		Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	57.69	
			<i>For 1/4" Thickness, Add</i>	1.76	
			<i>For 5/16" Thickness, Add</i>	3.51	
33 01 30 72-0074	LF		>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	51.70	
			<i>For 1/4" Thickness, Add</i>	1.76	
			<i>For 5/16" Thickness, Add</i>	3.51	
33 01 30 72-0075	LF		>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	43.56	
			<i>For 1/4" Thickness, Add</i>	1.76	
			<i>For 5/16" Thickness, Add</i>	3.51	
33 01 30 72-0076	LF		>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	35.40	
			<i>For 1/4" Thickness, Add</i>	1.76	
			<i>For 5/16" Thickness, Add</i>	3.51	
33 01 30 72-0077	LF		Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	60.74	
			<i>For 1/4" Thickness, Add</i>	2.05	
			<i>For 5/16" Thickness, Add</i>	4.10	
33 01 30 72-0078	LF		>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	54.54	
			<i>For 1/4" Thickness, Add</i>	2.05	
			<i>For 5/16" Thickness, Add</i>	4.10	
33 01 30 72-0079	LF		>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	46.01	
			<i>For 1/4" Thickness, Add</i>	2.05	
			<i>For 5/16" Thickness, Add</i>	4.10	
33 01 30 72-0080	LF		>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	38.38	
			<i>For 1/4" Thickness, Add</i>	2.05	
			<i>For 5/16" Thickness, Add</i>	4.10	
33 01 30 72-0081	LF		Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement.....	63.86	
			<i>For 1/4" Thickness, Add</i>	2.34	
			<i>For 5/16" Thickness, Add</i>	4.69	
33 01 30 72-0082	LF		>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	57.41	
			<i>For 1/4" Thickness, Add</i>	2.34	
			<i>For 5/16" Thickness, Add</i>	4.69	
33 01 30 72-0083	LF		>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	48.61	
			<i>For 1/4" Thickness, Add</i>	2.34	
			<i>For 5/16" Thickness, Add</i>	4.69	
33 01 30 72-0084	LF		>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	41.51	
			<i>For 1/4" Thickness, Add</i>	2.34	
			<i>For 5/16" Thickness, Add</i>	4.69	
33 01 30 72-0085	LF		Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement.....	67.78	
			<i>For 1/4" Thickness, Add</i>	2.93	
			<i>For 5/16" Thickness, Add</i>	5.85	
33 01 30 72-0086	LF		>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	60.95	
			<i>For 1/4" Thickness, Add</i>	2.93	
			<i>For 5/16" Thickness, Add</i>	5.85	
33 01 30 72-0087	LF		>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	51.63	
			<i>For 1/4" Thickness, Add</i>	2.93	
			<i>For 5/16" Thickness, Add</i>	5.85	
33 01 30 72-0088	LF		>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	44.45	
			<i>For 1/4" Thickness, Add</i>	2.93	
			<i>For 5/16" Thickness, Add</i>	5.85	
33 01 30 72-0089	LF		Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement.....	71.63	
			<i>For 1/4" Thickness, Add</i>	3.51	
			<i>For 5/16" Thickness, Add</i>	7.03	
33 01 30 72-0090	LF		500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	64.51	
			<i>For 1/4" Thickness, Add</i>	3.51	
			<i>For 5/16" Thickness, Add</i>	7.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0091 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	54.66	
<i>For 1/4" Thickness, Add</i>	3.51	
<i>For 5/16" Thickness, Add</i>	7.03	
33 01 30 72-0092 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement	47.41	
<i>For 1/4" Thickness, Add</i>	3.51	
<i>For 5/16" Thickness, Add</i>	7.03	
33 01 30 72-0093 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	85.22	
<i>For 3/8" Thickness, Add</i>	9.22	
<i>For 7/16" Thickness, Add</i>	13.83	
33 01 30 72-0094 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	77.45	
<i>For 3/8" Thickness, Add</i>	9.22	
<i>For 7/16" Thickness, Add</i>	13.83	
33 01 30 72-0095 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	66.75	
<i>For 3/8" Thickness, Add</i>	9.22	
<i>For 7/16" Thickness, Add</i>	13.83	
33 01 30 72-0096 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement	59.27	
<i>For 3/8" Thickness, Add</i>	9.22	
<i>For 7/16" Thickness, Add</i>	13.83	
33 01 30 72-0097 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	93.45	
<i>For 3/8" Thickness, Add</i>	10.54	
<i>For 7/16" Thickness, Add</i>	15.80	
33 01 30 72-0098 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	85.15	
<i>For 3/8" Thickness, Add</i>	10.54	
<i>For 7/16" Thickness, Add</i>	15.80	
33 01 30 72-0099 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	73.64	
<i>For 3/8" Thickness, Add</i>	10.54	
<i>For 7/16" Thickness, Add</i>	15.80	
33 01 30 72-0100 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement	66.02	
<i>For 3/8" Thickness, Add</i>	10.54	
<i>For 7/16" Thickness, Add</i>	15.80	
33 01 30 72-0101 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	97.44	
<i>For 3/8" Thickness, Add</i>	11.86	
<i>For 7/16" Thickness, Add</i>	17.78	
33 01 30 72-0102 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	88.96	
<i>For 3/8" Thickness, Add</i>	11.86	
<i>For 7/16" Thickness, Add</i>	17.78	
33 01 30 72-0103 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	77.18	
<i>For 3/8" Thickness, Add</i>	11.86	
<i>For 7/16" Thickness, Add</i>	17.78	
33 01 30 72-0104 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement	69.85	
<i>For 3/8" Thickness, Add</i>	11.86	
<i>For 7/16" Thickness, Add</i>	17.78	
33 01 30 72-0105 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	101.43	
<i>For 3/8" Thickness, Add</i>	13.18	
<i>For 7/16" Thickness, Add</i>	19.76	
33 01 30 72-0106 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	92.79	
<i>For 3/8" Thickness, Add</i>	13.18	
<i>For 7/16" Thickness, Add</i>	19.76	
33 01 30 72-0107 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	80.79	
<i>For 3/8" Thickness, Add</i>	13.18	
<i>For 7/16" Thickness, Add</i>	19.76	
33 01 30 72-0108 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement	73.69	
<i>For 3/8" Thickness, Add</i>	13.18	
<i>For 7/16" Thickness, Add</i>	19.76	
33 01 30 72-0109 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	105.63	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0110 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	96.81	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0111 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	84.62	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0112 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement	78.04	
<i>For 3/8" Thickness, Add</i>	14.49	
<i>For 7/16" Thickness, Add</i>	21.74	
33 01 30 72-0113 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	110.13	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
33 01 30 72-0114 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	101.15	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
33 01 30 72-0115 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	88.67	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	
33 01 30 72-0116 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement	82.46	
<i>For 3/8" Thickness, Add</i>	15.81	
<i>For 7/16" Thickness, Add</i>	23.71	

33 01 30 73 Rehabilitation Of Manholes And Sewer Structures (33 01 30)

33 01 30 73-0001 Restoration And Rehabilitation Of Manholes (33 01 30 73)

Note: Work is in confined spaces.

33 01 30 73-0002 Inspection And Ventilation System Set-up (33 01 30 73-0001)

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0003 EA Inspect Manhole.....	132.44	
33 01 30 73-0004 EA 36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	8,145.11	
33 01 30 73-0005 EA Installation And Maintenance Of Ventilation System, 60" to 108" diameter to 2,600'..... Note: For internal inspection and repair of water mains	11,472.19	
33 01 30 73-0006 Manhole Seals (33 01 30 73-0001)		
33 01 30 73-0007 Internal Manhole Chimney Seals (33 01 30 73-0006) Note: Cretex.		
33 01 30 73-0008 EA 20" Internal Manhole Chimney Seal.....	358.06	
33 01 30 73-0009 EA 22" Internal Manhole Chimney Seal.....	377.41	
33 01 30 73-0010 EA 24" Internal Manhole Chimney Seal.....	387.09	
33 01 30 73-0011 EA 26" Internal Manhole Chimney Seal.....	445.15	
33 01 30 73-0012 EA 28" Internal Manhole Chimney Seal.....	503.22	
33 01 30 73-0013 EA 30" Internal Manhole Chimney Seal.....	561.28	
33 01 30 73-0014 EA 36" Internal Manhole Chimney Seal.....	677.41	
33 01 30 73-0015 External Manhole Encapsulation (33 01 30 73-0006) Note: Wrapidseal.		
33 01 30 73-0016 EA 24" External Manhole Encapsulation	522.57	
33 01 30 73-0017 EA 30" External Manhole Encapsulation	551.61	
33 01 30 73-0018 EA 36" External Manhole Encapsulation	590.32	
33 01 30 73-0019 EA 42" External Manhole Encapsulation	638.70	
33 01 30 73-0020 EA 48" External Manhole Encapsulation	706.44	
33 01 30 73-0021 EA 54" External Manhole Encapsulation	783.86	
33 01 30 73-0022 EA 60" External Manhole Encapsulation	880.63	
33 01 30 73-0023 Manhole Restoration (33 01 30 73-0001) Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 73-0024 Cementitious Manhole Restoration, Interior (33 01 30 73-0023)		
33 01 30 73-0025 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior.....	103.90	
For Each Additional 1/2" Thick Material, Add	25.49	
For 2 To 5 Manholes, Deduct	-7.32	
For 6 To 10 Manholes, Deduct	-12.04	
For >10 Manholes, Deduct	-24.09	
33 01 30 73-0026 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior.....	120.47	
For Each Additional 1/2" Thick Material, Add	29.66	
For 2 To 5 Manholes, Deduct	-8.49	
For 6 To 10 Manholes, Deduct	-13.96	
For >10 Manholes, Deduct	-27.92	
33 01 30 73-0027 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior.....	137.04	
For Each Additional 1/2" Thick Material, Add	33.83	
For 2 To 5 Manholes, Deduct	-9.65	
For 6 To 10 Manholes, Deduct	-15.87	
For >10 Manholes, Deduct	-31.74	
33 01 30 73-0028 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior.....	161.39	
For Each Additional 1/2" Thick Material, Add	41.42	
For 2 To 5 Manholes, Deduct	-11.31	
For 6 To 10 Manholes, Deduct	-18.59	
For >10 Manholes, Deduct	-37.19	
33 01 30 73-0029 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior.....	176.47	
For Each Additional 1/2" Thick Material, Add	47.83	
For 2 To 5 Manholes, Deduct	-12.29	
For 6 To 10 Manholes, Deduct	-20.17	
For >10 Manholes, Deduct	-40.34	
33 01 30 73-0030 Polyurethane Manhole Restoration, Interior (33 01 30 73-0023)		
33 01 30 73-0031 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	253.31	
For 80 Mil Material, Add	32.41	
For 100 Mil Material, Add	64.82	
For 125 Mil Material, Add	101.56	
For 150 Mil Material, Add	138.30	
For 200 Mil Material, Add	201.70	
For 2 To 5 Manholes, Deduct	-17.70	
For 6 To 10 Manholes, Deduct	-29.07	
For >10 Manholes, Deduct	-58.14	
33 01 30 73-0032 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	306.77	
For 80 Mil Material, Add	38.67	
For 100 Mil Material, Add	77.34	
For 125 Mil Material, Add	121.06	
For 150 Mil Material, Add	164.79	
For 200 Mil Material, Add	239.93	
For 2 To 5 Manholes, Deduct	-21.49	
For 6 To 10 Manholes, Deduct	-35.31	
For >10 Manholes, Deduct	-70.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0033 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	337.76	
<i>For 80 Mil Material, Add</i>	43.22	
<i>For 100 Mil Material, Add</i>	86.43	
<i>For 125 Mil Material, Add</i>	135.42	
<i>For 150 Mil Material, Add</i>	184.40	
<i>For 200 Mil Material, Add</i>	268.95	
<i>For 2 To 5 Manholes, Deduct</i>	-23.60	
<i>For 6 To 10 Manholes, Deduct</i>	-38.76	
<i>For >10 Manholes, Deduct</i>	-77.52	
33 01 30 73-0034 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	422.24	
<i>For 80 Mil Material, Add</i>	54.04	
<i>For 100 Mil Material, Add</i>	108.07	
<i>For 125 Mil Material, Add</i>	169.33	
<i>For 150 Mil Material, Add</i>	230.58	
<i>For 200 Mil Material, Add</i>	336.30	
<i>For 2 To 5 Manholes, Deduct</i>	-29.50	
<i>For 6 To 10 Manholes, Deduct</i>	-48.45	
<i>For >10 Manholes, Deduct</i>	-96.90	
33 01 30 73-0035 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	506.69	
<i>For 80 Mil Material, Add</i>	64.84	
<i>For 100 Mil Material, Add</i>	129.68	
<i>For 125 Mil Material, Add</i>	203.19	
<i>For 150 Mil Material, Add</i>	276.69	
<i>For 200 Mil Material, Add</i>	403.55	
<i>For 2 To 5 Manholes, Deduct</i>	-35.40	
<i>For 6 To 10 Manholes, Deduct</i>	-58.14	
<i>For >10 Manholes, Deduct</i>	-116.28	
33 01 30 73-0036 Epoxy Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
33 01 30 73-0037 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	231.99	
<i>For 80 Mil Material, Add</i>	25.30	
<i>For 100 Mil Material, Add</i>	50.61	
<i>For 125 Mil Material, Add</i>	78.46	
<i>For 150 Mil Material, Add</i>	106.32	
<i>For 200 Mil Material, Add</i>	151.96	
<i>For 2 To 5 Manholes, Deduct</i>	-16.63	
<i>For 6 To 10 Manholes, Deduct</i>	-27.47	
<i>For >10 Manholes, Deduct</i>	-54.94	
33 01 30 73-0038 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	281.87	
<i>For 80 Mil Material, Add</i>	30.37	
<i>For 100 Mil Material, Add</i>	60.74	
<i>For 125 Mil Material, Add</i>	94.09	
<i>For 150 Mil Material, Add</i>	127.44	
<i>For 200 Mil Material, Add</i>	181.83	
<i>For 2 To 5 Manholes, Deduct</i>	-20.25	
<i>For 6 To 10 Manholes, Deduct</i>	-33.45	
<i>For >10 Manholes, Deduct</i>	-66.89	
33 01 30 73-0039 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	309.33	
<i>For 80 Mil Material, Add</i>	33.74	
<i>For 100 Mil Material, Add</i>	67.48	
<i>For 125 Mil Material, Add</i>	104.62	
<i>For 150 Mil Material, Add</i>	141.76	
<i>For 200 Mil Material, Add</i>	202.61	
<i>For 2 To 5 Manholes, Deduct</i>	-22.18	
<i>For 6 To 10 Manholes, Deduct</i>	-36.63	
<i>For >10 Manholes, Deduct</i>	-73.25	
33 01 30 73-0040 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	386.68	
<i>For 80 Mil Material, Add</i>	42.18	
<i>For 100 Mil Material, Add</i>	84.37	
<i>For 125 Mil Material, Add</i>	130.80	
<i>For 150 Mil Material, Add</i>	177.24	
<i>For 200 Mil Material, Add</i>	253.33	
<i>For 2 To 5 Manholes, Deduct</i>	-27.73	
<i>For 6 To 10 Manholes, Deduct</i>	-45.78	
<i>For >10 Manholes, Deduct</i>	-91.57	
33 01 30 73-0041 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	464.02	
<i>For 80 Mil Material, Add</i>	50.62	
<i>For 100 Mil Material, Add</i>	101.24	
<i>For 125 Mil Material, Add</i>	156.96	
<i>For 150 Mil Material, Add</i>	212.68	
<i>For 200 Mil Material, Add</i>	303.99	
<i>For 2 To 5 Manholes, Deduct</i>	-33.27	
<i>For 6 To 10 Manholes, Deduct</i>	-54.94	
<i>For >10 Manholes, Deduct</i>	-109.88	
33 01 30 73-0042 Polyvinyl Chloride (PVC) Lining Manhole Restoration, Interior <small>(33 01 30 73-0023)</small>		
Note: Wound strip liners.		
33 01 30 73-0043 VLF 3' Diameter CIP Multiplex Liner For Existing Manhole	315.06	
<i>For 2 To 5 Manholes, Deduct</i>	-18.83	
<i>For 6 To 10 Manholes, Deduct</i>	-29.79	
<i>For >10 Manholes, Deduct</i>	-59.58	

33 Utilities**33 01 Operation And Maintenance Of Utilities****33 01 30 Operation And Maintenance Of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 73-0044 VLF 3-1/2' Diameter CIP Multiplex Liner For Existing Manhole.....	385.76	
For 2 To 5 Manholes, Deduct	-23.05	
For 6 To 10 Manholes, Deduct	-36.46	
For >10 Manholes, Deduct	-72.93	
33 01 30 73-0045 VLF 4' Diameter CIP Multiplex Liner For Existing Manhole.....	451.25	
For 2 To 5 Manholes, Deduct	-26.67	
For 6 To 10 Manholes, Deduct	-42.06	
For >10 Manholes, Deduct	-84.12	
33 01 30 73-0046 VLF 5' Diameter CIP Multiplex Liner For Existing Manhole.....	565.74	
For 2 To 5 Manholes, Deduct	-33.42	
For 6 To 10 Manholes, Deduct	-52.70	
For >10 Manholes, Deduct	-105.40	
33 01 30 73-0047 VLF 6' Diameter CIP Multiplex Liner For Existing Manhole.....	680.22	
For 2 To 5 Manholes, Deduct	-40.17	
For 6 To 10 Manholes, Deduct	-63.34	
For >10 Manholes, Deduct	-126.68	
33 01 30 73-0048 Manhole Crack Repair (33 01 30 73-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 73-0049 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	40.36	
33 01 30 73-0050 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	54.27	
33 01 30 73-0051 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair.....	38.72	
33 01 30 73-0052 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	52.31	
33 01 30 73-0053 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	26.01	
33 01 30 73-0054 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	10.47	
33 01 30 73-0055 Manhole Joint Restoration (33 01 30 73-0001)		
Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 73-0056 EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,339.28	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	182.41	
33 01 30 73-0057 EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,563.35	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	200.31	
33 01 30 73-0058 EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	1,785.71	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	218.21	
33 01 30 73-0059 EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,098.73	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	227.17	
33 01 30 73-0060 EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,410.89	
Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
For Grouting Each Additional Manhole Joint Section, Add	236.12	
33 01 30 73-0061 Invert Restoration (33 01 30 73-0001)		
Note: Includes removal of existing defective material and installation of new material.		
33 01 30 73-0062 EA Single Channel Concrete Invert Restoration.....	326.90	
33 01 30 73-0063 EA Triple Channel Concrete Invert Restoration.....	606.04	
33 01 30 73-0064 EA Single Channel Brick Invert Restoration.....	493.77	
33 01 30 73-0065 EA Triple Channel Brick Invert Restoration.....	815.73	
33 01 30 73-0066 Step Installation In Existing Manholes (33 01 30 73-0001)		
Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 73-0067 EA Drill And Grout 7" x 9" Cast Iron Manhole Steps.....	83.49	17.41
33 01 30 73-0068 EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	88.97	17.41
33 01 30 73-0069 EA Drill And Grout Galvanized Steel Manhole Step.....	76.23	17.41
33 01 30 73-0070 EA Bolt On Galvanized Steel Manhole Step.....	85.63	17.41
33 01 30 73-0071 EA Drill And Grout Aluminum Manhole Step.....	73.75	17.41
33 01 30 73-0072 EA Drill And Insert Polypropylene Manhole Step.....	47.40	13.93

33 05 Common Work Results For Utilities (33)**33 05 13 Manholes And Structures** (33 05)**33 05 13 13 Manhole Grade Adjustment** (33 05 13)**33 05 13 13-0001 Up To 12" Rise, Manhole Risers** (33 05 13 13)

Note: Includes valve boxes.

33 05 13 13-0002 Up To 26" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers (33 05 13 13-0001)

33 05 13 13-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	325.51	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	368.47	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	407.17	
Note: For manholes up to 26" in diameter.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 13 13-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	451.16	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid Manhole Risers.....	486.24	
Note: For manholes up to 26" in diameter.		
33 05 13 13-0008 >26" To 32-1/2" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0009 EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....	389.35	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0010 EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....	425.36	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0011 EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....	471.17	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0012 EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....	515.16	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0013 EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid Manhole Risers.....	557.32	
Note: For manholes over 26" in diameter and up to 32-1/2" diameter.		
33 05 13 13-0014 >32-1/2" To 36" Diameter, Up To 6" Rise Adjustable Or Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0015 EA Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	443.16	
33 05 13 13-0016 EA >4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	468.76	
33 05 13 13-0017 EA >5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	495.92	
33 05 13 13-0018 Up To 36" Diameter, >6" To 12" Rise Solid Manhole Risers <small>(33 05 13 13-0001)</small>		
33 05 13 13-0019 EA >6" To 6-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers.....	541.72	
33 05 13 13-0020 EA 7" Rise, Up To 36" Diameter, Solid Manhole Risers.....	590.49	
33 05 13 13-0021 EA 7-1/2" Rise, Up To 36" Diameter, Solid Manhole Risers.....	639.90	
33 05 13 13-0022 EA 8" Rise, Up To 36" Diameter, Solid Manhole Risers.....	678.25	
33 05 13 13-0023 EA 9" Rise, Up To 36" Diameter, Solid Manhole Risers.....	738.60	
33 05 13 13-0024 EA 10" Rise, Up To 36" Diameter, Solid Manhole Risers.....	792.78	
33 05 13 13-0025 EA 11" Rise, Up To 36" Diameter, Solid Manhole Risers.....	845.48	
33 05 13 13-0026 EA 12" Rise, Up To 36" Diameter, Solid Manhole Risers.....	899.10	
33 05 13 13-0027 >12" Rise, Solid Manhole Risers <small>(33 05 13 13)</small>		
Note: Includes valve boxes.		
33 05 13 13-0028 Precast Concrete Manhole Riser <small>(33 05 13 13-0027)</small>		
33 05 13 13-0029 VLF Up To 26" Diameter Precast Concrete Manhole Riser.....	78.44	
33 05 13 13-0030 VLF >26" To 36" Diameter Precast Concrete Manhole Riser.....	93.84	
33 05 13 13-0031 VLF >36" To 48" Diameter Precast Concrete Manhole Riser.....	106.98	
33 05 13 13-0032 VLF >48" To 60" Diameter Precast Concrete Manhole Riser.....	211.30	
33 05 13 13-0033 VLF >60" To 72" Diameter Precast Concrete Manhole Riser.....	310.74	
33 05 16 Utility Structures <small>(33 05)</small>		
33 05 16 13 Precast Concrete Directional Structures <small>(33 05 16)</small>		
33 05 16 13-0001 Underground Utility Vaults And Structures <small>(33 05 16 13)</small>		
See CSI section 33 39 13 00-0001 for manholes, 33 39 13 00-0129 for frames and covers.		
33 05 16 13-0002 Precast Concrete Underground Utility Vault <small>(33 05 16 13-0001)</small>		
Note: Sizes given are for inside dimensions.		
33 05 16 13-0003 6' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	2,525.60	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	3,292.16	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault.....	5,431.27	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault.....	6,271.30	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,207.21	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	5,121.47	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault.....	6,036.52	
Note: 6" thick walls and 8" thick top.		
33 05 16 13-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault.....	8,721.60	
Note: 8" thick walls and top.		
33 05 16 13-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault.....	8,721.60	
Note: 8" thick walls and top.		
33 05 16 13-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault.....	10,981.89	
Note: 8" thick walls and top.		
33 05 16 13-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault.....	6,185.05	
Note: 6" thick walls and 8" thick top.		

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,247.85	
33 05 16 13-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,360.18	
33 05 16 13-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,660.32	
33 05 16 13-0018		7' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	2,780.43	
33 05 16 13-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,610.29	
33 05 16 13-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,440.13	
33 05 16 13-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,908.10	
33 05 16 13-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,812.20	
33 05 16 13-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,588.65	
33 05 16 13-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,567.03	
33 05 16 13-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,545.39	
33 05 16 13-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	9,484.49	
33 05 16 13-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,914.38	
33 05 16 13-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,693.89	
33 05 16 13-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,820.01	
33 05 16 13-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,208.32	
33 05 16 13-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,592.02	
33 05 16 13-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	11,377.35	
33 05 16 13-0034		8' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,034.46	
33 05 16 13-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	3,928.42	
33 05 16 13-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,384.89	
33 05 16 13-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,352.31	
33 05 16 13-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,970.09	
33 05 16 13-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,011.78	
33 05 16 13-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,053.48	
33 05 16 13-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	10,247.35	
33 05 16 13-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,846.92	
33 05 16 13-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,201.96	
33 05 16 13-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,392.16	
33 05 16 13-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,055.61	
33 05 16 13-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,524.57	
33 05 16 13-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,225.23	
33 05 16 13-0049		10' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		
33 05 16 13-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,351.55	
33 05 16 13-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,456.53	
33 05 16 13-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,072.49	
33 05 16 13-0053		12' High Precast Concrete Underground Utility Vault <small>(33 05 16 13-0002)</small>		



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 05 16 13-0054	EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,732.99	
33 05 16 13-0055	EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,902.08	
33 05 16 13-0056	Meter Pit (33 05 16 13-0001)		
33 05 16 13-0057	Precast Concrete Meter Pit (33 05 16 13-0056)		
33 05 16 13-0058	EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	1,792.78	
33 05 16 13-0059	EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	2,388.20	
33 05 16 13-0060	EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	2,936.73	
33 05 16 13-0061	EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	3,602.91	
33 05 16 13-0062	EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	4,857.10	
33 05 16 13-0063	EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	2,678.70	
33 05 16 13-0064	EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	3,602.91	
33 05 16 13-0065	EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	4,582.68	
33 05 16 13-0066	EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	5,719.42	
33 05 16 13-0067	EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	7,876.13	
33 05 16 13-0068	Handhole Or Pull Box Enclosures (33 05 16 13-0001)		
33 05 16 13-0069	Polymer Concrete Handhole Enclosures (33 05 16 13-0068)		
33 05 16 13-0070	Polymer Concrete Handhole Enclosures (33 05 16 13-0069)		
33 05 16 13-0071	Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0070)		
33 05 16 13-0072	Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0071)		
33 05 16 13-0073	EA 12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	192.19	18.45
33 05 16 13-0074	EA 10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	177.15	40.98
33 05 16 13-0075	EA 13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	269.97	61.47
33 05 16 13-0076	EA 17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	309.35	61.47
33 05 16 13-0077	EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	296.34	61.47
33 05 16 13-0078	EA 13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	353.13	61.47
33 05 16 13-0079	EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	344.56	61.47
33 05 16 13-0080	EA 17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	459.56	61.47
33 05 16 13-0081	EA 27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	650.33	81.96
33 05 16 13-0082	EA 27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	897.81	81.96
33 05 16 13-0083	EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	607.52	112.69
33 05 16 13-0084	EA 24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	685.02	112.69
33 05 16 13-0085	EA 24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,088.20	112.69
33 05 16 13-0086	EA 39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	649.92	122.93
33 05 16 13-0087	EA 39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	903.79	122.93
33 05 16 13-0088	EA 39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,111.39	122.93
33 05 16 13-0089	EA 39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,602.41	122.93
33 05 16 13-0090	EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	930.40	180.92
33 05 16 13-0091	EA 30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,312.49	180.92
33 05 16 13-0092	Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures (33 05 16 13-0071)		
33 05 16 13-0093	EA 12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	243.63	18.45
33 05 16 13-0094	EA 13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	331.24	61.47
33 05 16 13-0095	EA 17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	394.63	61.47
33 05 16 13-0096	EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	366.25	61.47
33 05 16 13-0097	EA 13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	414.79	61.47

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0098 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	427.52	61.47
33 05 16 13-0099 EA 17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	543.23	61.47
33 05 16 13-0100 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	737.80	112.69
33 05 16 13-0101 EA 24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	815.30	112.69
33 05 16 13-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,218.49	112.69
33 05 16 13-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,082.65	180.92
33 05 16 13-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,467.64	180.92
33 05 16 13-0105 Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0070)</small>		
33 05 16 13-0106 Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	309.83	18.45
33 05 16 13-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	263.27	18.45
33 05 16 13-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	235.61	61.47
33 05 16 13-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	263.09	61.47
33 05 16 13-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	79.35	18.45
33 05 16 13-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	118.29	18.45
33 05 16 13-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	185.87	18.45
33 05 16 13-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	194.05	18.45
33 05 16 13-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	174.30	40.98
33 05 16 13-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	186.84	40.98
33 05 16 13-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	116.62	18.45
33 05 16 13-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	131.94	18.45
33 05 16 13-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	185.54	40.98
33 05 16 13-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	206.63	40.98
33 05 16 13-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	192.98	40.98
33 05 16 13-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	236.89	61.47
33 05 16 13-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	257.58	61.47
33 05 16 13-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	272.96	61.47
33 05 16 13-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	296.13	61.47
33 05 16 13-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	342.33	61.47
33 05 16 13-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	370.36	61.47
33 05 16 13-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	401.03	61.47
33 05 16 13-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	420.32	61.47
33 05 16 13-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	504.95	81.96
33 05 16 13-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	523.56	112.69
33 05 16 13-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	657.88	112.69
33 05 16 13-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	781.90	112.69
33 05 16 13-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	860.23	112.69
33 05 16 13-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	938.14	112.69
33 05 16 13-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,079.46	180.92
33 05 16 13-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	804.89	180.92
33 05 16 13-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	904.37	180.92
33 05 16 13-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,094.59	180.92
33 05 16 13-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,092.64	180.92
33 05 16 13-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,163.64	180.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,300.20	180.92
33 05 16 13-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,206.52	193.85
33 05 16 13-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,302.94	193.85
33 05 16 13-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,426.03	193.85
33 05 16 13-0146 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,475.28	193.85
33 05 16 13-0147 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,492.40	193.85
33 05 16 13-0148 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,679.96	193.85
33 05 16 13-0149 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,315.71	193.85
33 05 16 13-0150 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,710.91	193.85
33 05 16 13-0151 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,921.35	206.77
33 05 16 13-0152 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,351.34	206.77
33 05 16 13-0153 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,992.15	206.77
33 05 16 13-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures		
<small>(33 05 16 13-0105)</small>		
33 05 16 13-0155 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.94	61.47
33 05 16 13-0156 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	347.70	61.47
33 05 16 13-0157 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	128.20	18.45
33 05 16 13-0158 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	181.42	18.45
33 05 16 13-0159 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	240.24	18.45
33 05 16 13-0160 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	248.43	18.45
33 05 16 13-0161 EA 10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	227.85	40.98
33 05 16 13-0162 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	236.59	40.98
33 05 16 13-0163 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	248.26	40.98
33 05 16 13-0164 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	169.88	18.45
33 05 16 13-0165 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	199.17	18.45
33 05 16 13-0166 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	247.97	40.98
33 05 16 13-0167 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	269.06	40.98
33 05 16 13-0168 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	256.08	40.98
33 05 16 13-0169 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	306.55	61.47
33 05 16 13-0170 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	327.49	61.47
33 05 16 13-0171 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	356.08	61.47
33 05 16 13-0172 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	379.11	61.47
33 05 16 13-0173 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	425.17	61.47
33 05 16 13-0174 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	453.32	61.47
33 05 16 13-0175 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	483.86	61.47
33 05 16 13-0176 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	503.28	61.47
33 05 16 13-0177 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	619.56	81.96
33 05 16 13-0178 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	653.85	112.69
33 05 16 13-0179 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	788.01	112.69
33 05 16 13-0180 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	911.90	112.69
33 05 16 13-0181 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	990.11	112.69
33 05 16 13-0182 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,068.27	112.69

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0183 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	955.70	180.92
33 05 16 13-0184 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,055.32	180.92
33 05 16 13-0185 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,245.40	180.92
33 05 16 13-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0187 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	284.17	61.47
33 05 16 13-0188 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	326.05	61.47
33 05 16 13-0189 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	97.06	18.45
33 05 16 13-0190 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	154.08	18.45
33 05 16 13-0191 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	217.49	18.45
33 05 16 13-0192 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	225.82	18.45
33 05 16 13-0193 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	212.88	40.98
33 05 16 13-0194 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	237.15	40.98
33 05 16 13-0195 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	135.92	18.45
33 05 16 13-0196 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	224.80	40.98
33 05 16 13-0197 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	255.05	40.98
33 05 16 13-0198 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	232.66	40.98
33 05 16 13-0199 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	303.34	61.47
33 05 16 13-0200 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	344.68	61.47
33 05 16 13-0201 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	358.43	61.47
33 05 16 13-0202 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	391.17	61.47
33 05 16 13-0203 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	421.29	61.47
33 05 16 13-0204 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	449.72	61.47
33 05 16 13-0205 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	500.63	61.47
33 05 16 13-0206 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	507.73	61.47
33 05 16 13-0207 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	628.44	81.96
33 05 16 13-0208 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	665.37	112.69
33 05 16 13-0209 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	813.53	112.69
33 05 16 13-0210 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	960.06	112.69
33 05 16 13-0211 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,057.39	112.69
33 05 16 13-0212 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,154.72	112.69
33 05 16 13-0213 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,260.80	180.92
33 05 16 13-0214 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	986.23	180.92
33 05 16 13-0215 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,093.47	180.92
33 05 16 13-0216 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,283.56	180.92
33 05 16 13-0217 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,367.41	180.92
33 05 16 13-0218 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,393.67	180.92
33 05 16 13-0219 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,648.38	180.92
33 05 16 13-0220 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,539.84	193.85
33 05 16 13-0221 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,589.66	193.85
33 05 16 13-0222 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,730.98	193.85
33 05 16 13-0223 EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,837.94	193.85
33 05 16 13-0224 EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,694.97	193.85
33 05 16 13-0225 EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,077.49	193.85
33 05 16 13-0226 EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,814.06	193.85



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0227 EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,985.70	193.85
33 05 16 13-0228 EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,393.44	206.77
33 05 16 13-0229 EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	2,823.60	206.77
33 05 16 13-0230 EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,778.20	206.77
33 05 16 13-0231 Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0232 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	355.48	61.47
33 05 16 13-0233 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	410.82	61.47
33 05 16 13-0234 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	145.52	18.45
33 05 16 13-0235 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	217.08	18.45
33 05 16 13-0236 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	271.74	18.45
33 05 16 13-0237 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	280.19	18.45
33 05 16 13-0238 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	275.31	40.98
33 05 16 13-0239 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	299.44	40.98
33 05 16 13-0240 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	205.16	18.45
33 05 16 13-0241 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	286.96	40.98
33 05 16 13-0242 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	317.20	40.98
33 05 16 13-0243 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	277.94	40.98
33 05 16 13-0244 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	373.28	61.47
33 05 16 13-0245 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	414.62	61.47
33 05 16 13-0246 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	441.40	61.47
33 05 16 13-0247 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	474.14	61.47
33 05 16 13-0248 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	504.25	61.47
33 05 16 13-0249 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	532.70	61.47
33 05 16 13-0250 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	583.62	61.47
33 05 16 13-0251 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	590.69	61.47
33 05 16 13-0252 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	742.89	81.96
33 05 16 13-0253 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	795.65	112.69
33 05 16 13-0254 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	943.68	112.69
33 05 16 13-0255 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,090.05	112.69
33 05 16 13-0256 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,187.45	112.69
33 05 16 13-0257 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,284.85	112.69
33 05 16 13-0258 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,137.18	180.92
33 05 16 13-0259 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,244.57	180.92
33 05 16 13-0260 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	1,434.52	180.92
33 05 16 13-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 16 13-0105)</small>		
33 05 16 13-0262 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	301.55	61.47
33 05 16 13-0263 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	203.43	40.98
33 05 16 13-0264 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	226.75	40.98
33 05 16 13-0265 EA 13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	271.29	61.47
33 05 16 13-0266 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	211.07	40.98
33 05 16 13-0267 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure.....	233.40	40.98
33 05 16 13-0268 Polymer Concrete Handhole Enclosure Extensions <small>(33 05 16 13-0069)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0269 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	227.88	61.47
33 05 16 13-0270 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	252.18	61.47
33 05 16 13-0271 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	294.63	81.96
33 05 16 13-0272 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	318.49	81.96
33 05 16 13-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	384.43	112.69
33 05 16 13-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	663.36	180.92
33 05 16 13-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	637.28	180.92
33 05 16 13-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	642.97	180.92
33 05 16 13-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	846.14	193.85
33 05 16 13-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,300.39	206.77
33 05 16 13-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,679.29	206.77
33 05 16 13-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	355.38	61.47
33 05 16 13-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	370.23	61.47
33 05 16 13-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	403.40	81.96
33 05 16 13-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	427.51	81.96
33 05 16 13-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	503.72	112.69
33 05 16 13-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	805.86	180.92
33 05 16 13-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	282.81	61.47
33 05 16 13-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	312.09	61.47
33 05 16 13-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	426.44	112.69
33 05 16 13-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	818.21	193.85
33 05 16 13-0290 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0069)		
33 05 16 13-0291 Polymer Concrete Handhole Enclosure Covers (33 05 16 13-0290)		
33 05 16 13-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	74.95	8.20
33 05 16 13-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	75.89	8.20
33 05 16 13-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	70.54	8.20
33 05 16 13-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	76.07	8.20
33 05 16 13-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	76.79	8.20
33 05 16 13-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	87.68	8.20
33 05 16 13-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	101.16	8.20
33 05 16 13-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	652.21	23.27
33 05 16 13-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	571.84	23.27
33 05 16 13-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	851.77	23.27
33 05 16 13-0302 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	861.31	23.27
33 05 16 13-0303 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	974.57	23.27
33 05 16 13-0304 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,061.09	23.27
33 05 16 13-0305 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,699.85	23.27
33 05 16 13-0306 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	64.60	8.20
33 05 16 13-0307 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	91.35	8.20
33 05 16 13-0308 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	92.59	8.20
33 05 16 13-0309 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	115.77	8.20
33 05 16 13-0310 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	88.03	8.20
33 05 16 13-0311 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	136.44	8.20
33 05 16 13-0312 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	107.73	8.20
33 05 16 13-0313 EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	218.14	8.20
33 05 16 13-0314 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	192.88	12.29
33 05 16 13-0315 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	240.67	12.29
33 05 16 13-0316 EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	309.68	14.34
33 05 16 13-0317 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	433.49	18.09
33 05 16 13-0318 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	451.10	34.46
33 05 16 13-0319 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	117.16	8.20
33 05 16 13-0320 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	165.86	8.20
33 05 16 13-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	188.34	8.20
33 05 16 13-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	311.32	8.20
33 05 16 13-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	258.58	12.29
33 05 16 13-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	434.81	14.34
33 05 16 13-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	569.03	18.09
33 05 16 13-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	767.43	23.27
33 05 16 13-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	683.22	23.27



Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Contains multiple rows of utility structure data with detailed descriptions and costs.

33 Utilities**33 05 Common Work Results For Utilities****33 05 16 Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 16 13-0402 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	189.11	12.29
33 05 16 13-0403 EA 20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	235.08	12.29
33 05 16 13-0404 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	232.35	12.29
33 05 16 13-0405 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	416.42	18.09
33 05 16 13-0406 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	432.39	20.68
33 05 16 13-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers <small>(33 05 16 13-0290)</small>		
33 05 16 13-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	671.37	23.27
33 05 16 13-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	967.97	23.27
33 05 16 13-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	563.75	34.46
33 05 16 13-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	744.82	34.46
33 05 16 13-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	795.91	23.27
33 05 16 13-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,081.37	23.27
33 05 16 13-0414 Split, Polymer Concrete Handhole Enclosure Covers <small>(33 05 16 13-0290)</small>		
33 05 16 13-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	263.25	12.29
33 05 16 13-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	486.91	18.09
33 05 16 13-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	509.80	34.46
33 05 16 13-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	44.91	8.20
33 05 16 13-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	72.24	8.20
33 05 16 13-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	79.15	8.20
33 05 16 13-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	83.72	8.20
33 05 16 13-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	73.87	8.20
33 05 16 13-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	127.56	8.20
33 05 16 13-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	351.04	12.29
33 05 16 13-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	645.22	18.09
33 05 16 13-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover	676.85	34.46
33 05 16 13-0427 Precast Concrete Handholes With Steel Cover <small>(33 05 16 13-0068)</small>		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 16 13-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover	574.14	173.87
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 18.00		
33 05 16 13-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover	953.50	260.80
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 86.49		
33 05 16 13-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover	1,167.43	347.73
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 146.37		
33 05 16 13-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover	1,207.72	347.73
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 182.03		
33 05 16 13-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover	1,429.32	434.68
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 216.67		
33 05 16 13-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover	1,496.49	434.68
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 245.03		
33 05 16 13-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover	1,736.21	521.61
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 284.02		
33 05 16 13-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover	1,997.02	608.54
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 416.43		
33 05 16 13-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover	1,934.85	521.61
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 473.34		
33 05 16 13-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover	1,951.94	521.61
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 303.14		
33 05 16 13-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover	464.80	173.87
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 15.00		
33 05 16 13-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover	544.26	195.61
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 15.00		
33 05 16 13-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover	659.69	217.33
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i> 15.00		
33 05 23 Trenchless Utility Installation <small>(33 05)</small>		
33 05 23 13 Utility Horizontal Directional Drilling <small>(33 05 23)</small>		
33 05 23 13-0001 Horizontal Augering <small>(33 05 23 13)</small>		
Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal.		
33 05 23 13-0002 LF Up To 2" Diameter Horizontal Hand Augering	20.20	
33 05 23 13-0003 LF 3" Diameter Horizontal Hand Augering	24.38	
33 05 23 13-0004 LF 4" Diameter Horizontal Hand Augering	33.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 23 13-0005 LF 6" Diameter Horizontal Hand Augering.....	43.19	
33 05 23 13-0006 LF 8" Diameter Horizontal Augering.....	71.87	
33 05 23 13-0007 LF 10" Diameter Horizontal Augering.....	104.84	
33 05 23 13-0008 LF 12" Diameter Horizontal Augering.....	125.98	
33 05 23 13-0009 LF 16" Diameter Horizontal Augering.....	150.51	
33 05 23 13-0010 LF 20" Diameter Horizontal Augering.....	260.42	
33 05 23 13-0011 LF 24" Diameter Horizontal Augering.....	322.93	
33 05 23 13-0012 LF 30" Diameter Horizontal Augering.....	398.32	
33 05 23 13-0013 LF 36" Diameter Horizontal Augering.....	455.08	
33 05 23 13-0014 LF 42" Diameter Horizontal Augering.....	579.03	
33 05 23 13-0015 LF 48" Diameter Horizontal Augering.....	623.92	
33 05 23 13-0016 LF 54" Diameter Horizontal Augering.....	678.53	
33 05 23 13-0017 LF 60" Diameter Horizontal Augering.....	711.37	
33 05 23 13-0018 EA 8" To 36" Horizontal Augering Minimum Set-up Charge.....	1,489.02	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0019 EA >36" Horizontal Augering Minimum Set-up Charge.....	2,627.12	
Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0020	Horizontal Directional Boring <small>(33 05 23 13)</small>	
Note: Excludes receiving pits or dewatering or cost of casing pipe.		
33 05 23 13-0021 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	9.97	
33 05 23 13-0022 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground.....	14.96	
33 05 23 13-0023 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground.....	20.78	
33 05 23 13-0024 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground.....	25.77	
33 05 23 13-0025 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground.....	30.75	
33 05 23 13-0026 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground.....	35.74	
33 05 23 13-0027 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground.....	41.55	
33 05 23 13-0028 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground.....	50.73	
33 05 23 13-0029 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground.....	54.96	
33 05 23 13-0030 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground.....	59.18	
33 05 23 13-0031 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground.....	67.64	
33 05 23 13-0032 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground.....	83.75	
33 05 23 13-0033 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground.....	93.06	
33 05 23 13-0034 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground.....	102.37	
33 05 23 13-0035 EA Boring Minimum Charge.....	2,233.53	
Note: For projects where the total boring charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
33 05 23 13-0036	Casing Pipe <small>(33 05 23 13)</small>	
Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.		
33 05 23 13-0037	Steel Pipe <small>(33 05 23 13-0036)</small>	
33 05 23 13-0038 LF 1-1/2" Steel Pipe Pull In Place By Boring Machine.....	7.60	
Note: Includes pipe welding.		
33 05 23 13-0039 LF 2" Steel Pipe Pull In Place By Boring Machine.....	8.07	
Note: Includes pipe welding.		
33 05 23 13-0040 LF 2-1/2" Steel Pipe Pull In Place By Boring Machine.....	8.67	
Note: Includes pipe welding.		
33 05 23 13-0041 LF 3" Steel Pipe Pull In Place By Boring Machine.....	9.28	
Note: Includes pipe welding.		
33 05 23 13-0042 LF 4" Steel Pipe Pull In Place By Boring Machine.....	11.46	
Note: Includes pipe welding.		
33 05 23 13-0043 LF 5" Steel Pipe Pull In Place By Boring Machine.....	12.82	
Note: Includes pipe welding.		
33 05 23 13-0044 LF 6" Steel Pipe Pull In Place By Boring Machine.....	14.17	
Note: Includes pipe welding.		
33 05 23 13-0045	Polyethylene Pipe <small>(33 05 23 13-0036)</small>	
33 05 23 13-0046 LF 3/4" Polyethylene Pipe Pull In Place By Boring Machine.....	3.40	
Note: Includes pipe welding.		
33 05 23 13-0047 LF 1" Polyethylene Pipe Pull In Place By Boring Machine.....	3.76	
Note: Includes pipe welding.		
33 05 23 13-0048 LF 1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	4.08	
Note: Includes pipe welding.		
33 05 23 13-0049 LF 1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.37	
Note: Includes pipe welding.		
33 05 23 13-0050 LF 2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.67	
Note: Includes pipe welding.		
33 05 23 13-0051 LF 2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	4.98	
Note: Includes pipe welding.		
33 05 23 13-0052 LF 3" Polyethylene Pipe Pull In Place By Boring Machine.....	5.28	
Note: Includes pipe welding.		
33 05 23 13-0053 LF 4" Polyethylene Pipe Pull In Place By Boring Machine.....	6.29	
Note: Includes pipe welding.		
33 05 23 13-0054 LF 5" Polyethylene Pipe Pull In Place By Boring Machine.....	6.92	
Note: Includes pipe welding.		

33 Utilities**33 05 Common Work Results For Utilities****33 05 23 Trenchless Utility Installation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 23 13-0055 LF 6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.54	
33 05 23 13-0056 LF 8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.62	
33 05 23 13-0057 LF 10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.82	

33 05 23 16 Utility Pipe Jacking (33 05 23)**33 05 23 16-0001****Horizontal Jacking (33 05 23 16)**

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit.

33 05 23 16-0002 LF Up To 2" Diameter Horizontal Jacking.....	38.22	
33 05 23 16-0003 LF 3" Diameter Horizontal Jacking.....	45.97	
33 05 23 16-0004 LF 4" Diameter Horizontal Jacking.....	62.55	
33 05 23 16-0005 LF 6" Diameter Horizontal Jacking.....	80.83	
33 05 23 16-0006 LF 8" Diameter Horizontal Jacking.....	110.11	
33 05 23 16-0007 LF 10" Diameter Horizontal Jacking.....	161.06	
33 05 23 16-0008 LF 12" Diameter Horizontal Jacking.....	193.73	
33 05 23 16-0009 LF 16" Diameter Horizontal Jacking.....	231.37	
33 05 23 16-0010 LF 20" Diameter Horizontal Jacking.....	380.06	
33 05 23 16-0011 LF 24" Diameter Horizontal Jacking.....	526.87	
33 05 23 16-0012 LF 30" Diameter Horizontal Jacking.....	627.78	
33 05 23 16-0013 LF 36" Diameter Horizontal Jacking.....	712.67	
33 05 23 16-0014 LF 42" Diameter Horizontal Jacking.....	767.26	
33 05 23 16-0015 LF 48" Diameter Horizontal Jacking.....	829.78	
33 05 23 16-0016 LF 54" Diameter Horizontal Jacking.....	893.64	
33 05 23 16-0017 EA Up To 36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,751.41	
33 05 23 16-0018 EA >36" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,283.89	

33 05 26 Utility Identification (33 05)**33 05 26 16 Utility Identification Markers (33 05 26)****33 05 26 16-0001****Reflective Sheeting Delineators (33 05 26 16)**

33 05 26 16-0002 EA Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	35.66	
33 05 26 16-0003 EA Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	37.69	
33 05 26 16-0004 EA Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	41.76	
33 05 26 16-0005 EA Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	43.79	
33 05 26 16-0006 EA Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square.....	45.83	
33 05 26 16-0007 EA Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square.....	40.23	
33 05 26 16-0008 EA Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	36.16	
33 05 26 16-0009 EA Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	38.20	
33 05 26 16-0010 EA Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	38.20	
33 05 26 16-0011 EA Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	40.23	
33 05 26 16-0012 EA Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	42.27	
33 05 26 16-0013 EA Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	44.30	
33 05 26 16-0014 EA Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	62.61	
33 05 26 16-0015 EA Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	43.79	
33 05 26 16-0016 EA Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	65.15	
33 05 26 16-0017 EA Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	62.61	
33 05 26 16-0018 EA Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	64.64	
33 05 26 16-0019 EA Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	65.15	
33 05 26 16-0020 EA Relocate Delineator.....	46.82	

33 05 26 16-0021**Reference Markers (33 05 26 16)**

33 05 26 16-0022 EA Reference Marker, 4' Mounting Height.....	45.61	
33 05 26 16-0023 EA Reference Marker, 7' Mounting Height.....	51.61	
33 05 26 16-0024 EA Reference Marker, Band Or Bracket Mounted.....	49.86	
33 05 26 16-0025 EA Reference Marker, Furnish Panel Only.....	25.75	
33 05 26 16-0026 EA Relocate Reference Marker.....	46.82	

33 05 26 16-0027**Object Markers (33 05 26 16)**

33 05 26 16-0028 EA Object Marker, Type L-1.....	58.01	
33 05 26 16-0029 EA Object Marker, Type L-2.....	54.26	
33 05 26 16-0030 EA Object Marker, Type K-1.....	61.00	
33 05 26 16-0031 EA Object Marker, Type K-2.....	57.26	
33 05 26 16-0032 EA Object Marker, Type Q.....	42.26	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 10 Water Utilities ⁽³³⁾

33 11 Water Utility Distribution Piping ^(33 10)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 11 13 Public Water Utility Distribution Piping ^(33 11)

33 11 13 13 Ductile Iron Public Water Utility Distribution Piping ^(33 11 13)

33 11 13 13-0001 Ductile Iron Piping ^(33 11 13 13)

33 11 13 13-0002 Mechanical Joint Ductile Iron Piping ^(33 11 13 13-0001)

Note: Gaskets, glands, strapping and bolts for mechanical joint pipe and fittings are furnished (included with fitting or pipe) in sufficient quantities to provide for each socket opening on pipe and fittings. Accessories conform to applicable requirements of ANSI/AWWA C111/A21.11. Cement lining and bituminous coating shall conform to ANSI A21.4.

33 11 13 13-0003 Mechanical Joint Ductile Iron Pipe ^(33 11 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.

33 11 13 13-0004	LF 4" Mechanical Joint Ductile Iron Pipe.....	34.19		9.99
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.34		
	For Cement Mortar Lining (CML), Add	1.91		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.43		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-1.71		
	For Class 51, Add	1.76		
	For Class 52, Add	3.80		
	For Class 53, Add	5.77		
	For Class 54, Add	7.75		
	For Class 55, Add	9.66		
	For Class 56, Add	12.08		
33 11 13 13-0005	LF 6" Mechanical Joint Ductile Iron Pipe.....	34.99		9.99
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	13.90		
	For Cement Mortar Lining (CML), Add	1.99		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.49		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-1.75		
	For Class 51, Add	1.83		
	For Class 52, Add	3.95		
	For Class 53, Add	5.99		
	For Class 54, Add	8.04		
	For Class 55, Add	10.03		
	For Class 56, Add	12.53		
33 11 13 13-0006	LF 8" Mechanical Joint Ductile Iron Pipe.....	41.91		10.89
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	17.78		
	For Cement Mortar Lining (CML), Add	2.54		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.91		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-2.10		
	For Class 51, Add	2.30		
	For Class 52, Add	4.98		
	For Class 53, Add	7.55		
	For Class 54, Add	10.14		
	For Class 55, Add	12.65		
	For Class 56, Add	15.82		
33 11 13 13-0007	LF 10" Mechanical Joint Ductile Iron Pipe.....	56.58		15.53
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.82		
	For Cement Mortar Lining (CML), Add	3.30		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.48		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-2.83		
	For Class 51, Add	3.02		
	For Class 52, Add	6.53		
	For Class 53, Add	9.90		
	For Class 54, Add	13.29		
	For Class 55, Add	16.58		
	For Class 56, Add	20.73		
33 11 13 13-0008	LF 12" Mechanical Joint Ductile Iron Pipe.....	68.35		17.26
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.10		
	For Cement Mortar Lining (CML), Add	4.22		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.17		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-3.42		
	For Class 51, Add	3.81		
	For Class 52, Add	8.24		
	For Class 53, Add	12.49		
	For Class 54, Add	16.78		
	For Class 55, Add	20.93		
	For Class 56, Add	26.18		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0009 LF 14" Mechanical Joint Ductile Iron Pipe.....	81.75	19.37
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	23.03	
For Cement Mortar Lining (CML), Add	5.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.92	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.09	
For Class 51, Add	4.68	
For Class 52, Add	10.14	
For Class 53, Add	15.38	
For Class 54, Add	20.66	
For Class 55, Add	25.77	
For Class 56, Add	32.24	
33 11 13 13-0010 LF 16" Mechanical Joint Ductile Iron Pipe.....	92.29	22.20
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.05	
For Cement Mortar Lining (CML), Add	5.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.40	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.61	
For Class 51, Add	5.26	
For Class 52, Add	11.38	
For Class 53, Add	17.27	
For Class 54, Add	23.20	
For Class 55, Add	28.93	
For Class 56, Add	36.20	
33 11 13 13-0011 LF 18" Mechanical Joint Ductile Iron Pipe.....	114.47	25.89
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.85	
For Cement Mortar Lining (CML), Add	7.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.64	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.72	
For Class 51, Add	6.69	
For Class 52, Add	14.50	
For Class 53, Add	22.00	
For Class 54, Add	29.55	
For Class 55, Add	36.86	
For Class 56, Add	46.13	
33 11 13 13-0012 LF 20" Mechanical Joint Ductile Iron Pipe.....	129.93	31.07
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.49	
For Cement Mortar Lining (CML), Add	8.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.21	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.50	
For Class 51, Add	7.42	
For Class 52, Add	16.06	
For Class 53, Add	24.37	
For Class 54, Add	32.74	
For Class 55, Add	40.84	
For Class 56, Add	51.09	
33 11 13 13-0013 LF 24" Mechanical Joint Ductile Iron Pipe.....	170.04	38.83
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.48	
For Cement Mortar Lining (CML), Add	11.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.34	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.50	
For Class 51, Add	9.90	
For Class 52, Add	21.45	
For Class 53, Add	32.55	
For Class 54, Add	43.72	
For Class 55, Add	54.54	
For Class 56, Add	68.25	
33 11 13 13-0014 LF 30" Mechanical Joint Ductile Iron Pipe.....	219.58	41.82
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.61	
For Cement Mortar Lining (CML), Add	15.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.98	
For Class 51, Add	13.71	
For Class 52, Add	29.75	
For Class 53, Add	45.14	
For Class 54, Add	60.64	
For Class 55, Add	75.64	
For Class 56, Add	94.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0015 LF 36" Mechanical Joint Ductile Iron Pipe.....	262.78	44.41
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	60.79	
For Cement Mortar Lining (CML), Add	19.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.71	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.14	
For Class 51, Add	17.00	
For Class 52, Add	36.90	
For Class 53, Add	56.00	
For Class 54, Add	75.24	
For Class 55, Add	93.85	
For Class 56, Add	117.56	
33 11 13 13-0016 LF 42" Mechanical Joint Ductile Iron Pipe.....	323.22	46.99
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	78.31	
For Cement Mortar Lining (CML), Add	25.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.95	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.16	
For Class 51, Add	21.71	
For Class 52, Add	47.15	
For Class 53, Add	71.57	
For Class 54, Add	96.16	
For Class 55, Add	119.94	
For Class 56, Add	150.29	
33 11 13 13-0017 LF 48" Mechanical Joint Ductile Iron Pipe.....	396.50	49.66
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	99.81	
For Cement Mortar Lining (CML), Add	32.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-19.83	
For Class 51, Add	27.48	
For Class 52, Add	59.71	
For Class 53, Add	90.64	
For Class 54, Add	121.79	
For Class 55, Add	151.91	
For Class 56, Add	190.40	
33 11 13 13-0018 LF 54" Mechanical Joint Ductile Iron Pipe.....	564.34	52.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	150.63	
For Cement Mortar Lining (CML), Add	48.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	36.44	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-28.22	
For Class 51, Add	41.04	
For Class 52, Add	89.26	
For Class 53, Add	135.51	
For Class 54, Add	182.10	
For Class 55, Add	227.12	
For Class 56, Add	284.78	
33 11 13 13-0019 90 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0020 EA 4" 90 Degree Elbow, Mechanical Joint Ductile Iron	369.80	35.40
For Cement Mortar Lining (CML), Add	31.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.71	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0021 EA 6" 90 Degree Elbow, Mechanical Joint Ductile Iron	504.42	52.32
For Cement Mortar Lining (CML), Add	42.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.89	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0022 EA 8" 90 Degree Elbow, Mechanical Joint Ductile Iron	693.70	62.06
For Cement Mortar Lining (CML), Add	59.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0023 EA 10" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,052.86	68.88
For Cement Mortar Lining (CML), Add	94.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.14	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0024 EA 12" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,419.77	80.80
For Cement Mortar Lining (CML), Add	129.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.31	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0025 EA 14" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,563.77	90.61
For Cement Mortar Lining (CML), Add	142.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	106.99	
Note: ANSI/AWWA C151/A21.51		

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0026 EA 16" 90 Degree Elbow, Mechanical Joint Ductile Iron	1,770.04	103.56
For Cement Mortar Lining (CML), Add	161.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.99	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0027 EA 18" 90 Degree Elbow, Mechanical Joint Ductile Iron	2,699.32	144.98
For Cement Mortar Lining (CML), Add	247.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	185.98	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0028 EA 20" 90 Degree Elbow, Mechanical Joint Ductile Iron	3,074.20	181.22
For Cement Mortar Lining (CML), Add	279.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	209.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0029 EA 24" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,431.70	241.31
For Cement Mortar Lining (CML), Add	506.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.95	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0030 EA 30" 90 Degree Elbow, Mechanical Joint Ductile Iron	5,817.38	258.88
For Cement Mortar Lining (CML), Add	542.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	406.88	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0031 EA 36" 90 Degree Elbow, Mechanical Joint Ductile Iron	8,352.22	268.77
For Cement Mortar Lining (CML), Add	794.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	595.88	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0032 EA 42" 90 Degree Elbow, Mechanical Joint Ductile Iron	13,609.70	310.66
For Cement Mortar Lining (CML), Add	1,313.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	985.43	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0033 EA 48" 90 Degree Elbow, Mechanical Joint Ductile Iron	18,204.35	330.51
For Cement Mortar Lining (CML), Add	1,770.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,327.77	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0034 EA 54" 90 Degree Elbow, Mechanical Joint Ductile Iron	21,217.11	349.50
For Cement Mortar Lining (CML), Add	2,068.76	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,551.57	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0035 45 Degree Elbow, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0036 EA 4" 45 Degree Elbow, Mechanical Joint Ductile Iron	350.18	35.40
For Cement Mortar Lining (CML), Add	29.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.24	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0037 EA 6" 45 Degree Elbow, Mechanical Joint Ductile Iron	406.30	52.32
For Cement Mortar Lining (CML), Add	32.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.53	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0038 EA 8" 45 Degree Elbow, Mechanical Joint Ductile Iron	551.86	62.06
For Cement Mortar Lining (CML), Add	45.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.34	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0039 EA 10" 45 Degree Elbow, Mechanical Joint Ductile Iron	694.18	68.88
For Cement Mortar Lining (CML), Add	58.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	44.24	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0040 EA 12" 45 Degree Elbow, Mechanical Joint Ductile Iron	929.16	80.80
For Cement Mortar Lining (CML), Add	80.68	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.51	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0041 EA 14" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,072.15	90.61
For Cement Mortar Lining (CML), Add	93.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	70.12	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0042 EA 16" 45 Degree Elbow, Mechanical Joint Ductile Iron	1,219.86	103.56
For Cement Mortar Lining (CML), Add	106.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.72	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0043 EA 18" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,519.34 129.97 97.48	144.98
33 11 13 13-0044 EA 20" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,514.26 223.97 167.98	181.22
33 11 13 13-0045 EA 24" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,165.19 379.95 284.96	241.31
33 11 13 13-0046 EA 30" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,823.29 443.10 332.33	258.88
33 11 13 13-0047 EA 36" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,132.08 672.49 504.37	268.77
33 11 13 13-0048 EA 42" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,137.05 1,266.64 949.98	310.66
33 11 13 13-0049 EA 48" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,302.73 1,680.20 1,260.15	330.51
33 11 13 13-0050 EA 54" 45 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,930.27 2,040.07 1,530.05	349.50
33 11 13 13-0051 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0052 EA 4" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	374.37 32.07 24.06	35.40
33 11 13 13-0053 EA 6" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	442.85 36.36 27.27	52.32
33 11 13 13-0054 EA 8" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	541.35 44.73 33.55	62.06
33 11 13 13-0055 EA 10" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	635.20 53.09 39.81	68.88
33 11 13 13-0056 EA 12" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	848.48 72.61 54.46	80.80
33 11 13 13-0057 EA 14" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	881.70 74.44 55.83	90.61
33 11 13 13-0058 EA 16" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,039.33 88.24 66.18	103.56
33 11 13 13-0059 EA 18" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,884.78 166.52 124.89	144.98

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0060 EA 20" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,334.66 206.01 154.51	181.22
33 11 13 13-0061 EA 24" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,240.07 287.44 215.58	241.31
33 11 13 13-0062 EA 30" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,567.45 617.52 463.14	258.88
33 11 13 13-0063 EA 36" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,248.70 884.15 663.11	268.77
33 11 13 13-0064 EA 42" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,139.62 1,266.89 950.17	310.66
33 11 13 13-0065 EA 48" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,300.16 1,679.94 1,259.96	330.51
33 11 13 13-0066 EA 54" 22-1/2 Degree Elbow, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,915.30 2,038.58 1,528.93	349.50
33 11 13 13-0067 Tee, Mechanical Joint Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0068 EA 4" x 3" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	407.55 32.83 24.62	52.32
33 11 13 13-0069 EA 4" x 4" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	428.10 34.89 26.17	52.32
33 11 13 13-0070 EA 6" x 3" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	512.60 39.63 29.72	76.82
33 11 13 13-0071 EA 6" x 4" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	531.20 41.49 31.11	76.82
33 11 13 13-0072 EA 6" x 6" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	580.79 46.45 34.83	76.82
33 11 13 13-0073 EA 8" x 4" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	564.68 42.36 31.77	93.16
33 11 13 13-0074 EA 8" x 6" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	617.65 47.65 35.74	93.16
33 11 13 13-0075 EA 8" x 8" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	651.36 51.02 38.27	93.16
33 11 13 13-0076 EA 10" x 4" Tee, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	699.61 54.27 40.70	103.56



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0077 EA 10" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	731.01 57.41	103.56
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	43.06	
33 11 13 13-0078 EA 10" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	753.43 59.65	103.56
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	44.74	
33 11 13 13-0079 EA 10" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	820.72 66.38	103.56
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	49.79	
33 11 13 13-0080 EA 12" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	860.56 67.78	120.65
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	50.83	
33 11 13 13-0081 EA 12" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	861.03 68.06	119.09
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	51.05	
33 11 13 13-0082 EA 12" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	874.52 69.41	119.09
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	52.06	
33 11 13 13-0083 EA 12" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	974.54 79.41	119.09
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	59.56	
33 11 13 13-0084 EA 12" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	1,068.51 88.81	119.09
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	66.61	
33 11 13 13-0085 EA 14" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	2,457.31 223.79	144.81
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	167.85	
33 11 13 13-0086 EA 14" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	2,533.55 231.42	144.81
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	173.56	
33 11 13 13-0087 EA 14" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	2,617.44 239.81	144.81
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	179.86	
33 11 13 13-0088 EA 14" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	2,697.50 247.81	144.81
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	185.86	
33 11 13 13-0089 EA 14" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	2,849.98 263.06	144.81
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	197.30	
33 11 13 13-0090 EA 14" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	3,006.31 278.69	144.81
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	209.02	
33 11 13 13-0091 EA 16" x 4" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	3,034.42 276.02	180.98
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	207.02	
33 11 13 13-0092 EA 16" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	3,106.86 283.27	180.98
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	212.45	
33 11 13 13-0093 EA 16" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i>	3,167.86 289.37	180.98
<i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	217.03	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0094 EA 16" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,274.61 300.04 225.03	180.98
33 11 13 13-0095 EA 16" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,373.74 309.96 232.47	180.98
33 11 13 13-0096 EA 16" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,556.74 328.26 246.19	180.98
33 11 13 13-0097 EA 16" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,716.86 344.27 258.20	180.98
33 11 13 13-0098 EA 18" x 6" Or 4" Tee, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,713.73 334.74 251.05	241.79
33 11 13 13-0099 EA 18" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,793.79 342.74 257.06	241.79
33 11 13 13-0100 EA 18" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,881.48 351.51 263.63	241.79
33 11 13 13-0101 EA 18" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,988.23 362.19 271.64	241.79
33 11 13 13-0102 EA 18" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,586.79 422.04 316.53	241.79
33 11 13 13-0103 EA 18" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,750.73 438.44 328.83	241.79
33 11 13 13-0104 EA 18" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,994.73 462.84 347.13	241.79
33 11 13 13-0105 EA 20" x 6" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,594.42 404.51 303.38	362.59
33 11 13 13-0106 EA 20" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,655.42 410.61 307.95	362.59
33 11 13 13-0107 EA 20" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,765.99 421.66 316.25	362.59
33 11 13 13-0108 EA 20" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,872.74 432.34 324.25	362.59
33 11 13 13-0109 EA 20" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,017.61 446.82 335.12	362.59
33 11 13 13-0110 EA 20" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,757.23 520.79 390.59	362.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0111 EA 20" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,020.30 547.09 410.32	362.59
33 11 13 13-0112 EA 20" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,218.55 566.92 425.19	362.59
33 11 13 13-0113 EA 24" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,237.04 550.52 412.89	483.01
33 11 13 13-0114 EA 24" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,347.60 561.58 421.19	483.01
33 11 13 13-0115 EA 24" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,404.79 567.30 425.47	483.01
33 11 13 13-0116 EA 24" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,568.73 583.69 437.77	483.01
33 11 13 13-0117 EA 24" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,690.73 595.89 446.92	483.01
33 11 13 13-0118 EA 24" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,322.47 759.07 569.30	483.01
33 11 13 13-0119 EA 24" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,596.97 786.52 589.89	483.01
33 11 13 13-0120 EA 24" x 24" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,065.91 833.41 625.06	483.01
33 11 13 13-0121 EA 30" x 8" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,917.68 1,105.62 829.22	568.53
33 11 13 13-0122 EA 30" x 10" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,039.68 1,117.82 838.37	568.53
33 11 13 13-0123 EA 30" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,115.93 1,125.45 844.09	568.53
33 11 13 13-0124 EA 30" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,260.80 1,139.94 854.95	568.53
33 11 13 13-0125 EA 30" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,386.62 1,152.52 864.39	568.53
33 11 13 13-0126 EA 30" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,588.68 1,172.72 879.54	568.53
33 11 13 13-0127 EA 30" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,756.43 1,189.50 892.12	568.53

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0128 EA 30" x 24" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,440.42 1,457.90 1,093.42	568.53
33 11 13 13-0129 EA 30" x 30" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,243.73 1,638.23 1,228.67	568.53
33 11 13 13-0130 EA 36" x 8" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,273.94 1,531.10 1,148.32	635.60
33 11 13 13-0131 EA 36" x 10" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,361.63 1,539.87 1,154.90	635.60
33 11 13 13-0132 EA 36" x 12" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,449.32 1,548.64 1,161.48	635.60
33 11 13 13-0133 EA 36" x 14" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,594.19 1,563.12 1,172.34	635.60
33 11 13 13-0134 EA 36" x 16" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,689.50 1,572.65 1,179.49	635.60
33 11 13 13-0135 EA 36" x 18" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,891.56 1,592.86 1,194.64	635.60
33 11 13 13-0136 EA 36" x 20" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,040.25 1,607.73 1,205.80	635.60
33 11 13 13-0137 EA 36" x 24" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,375.75 1,641.28 1,230.96	635.60
33 11 13 13-0138 EA 36" x 30" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,469.24 2,150.63 1,612.97	635.60
33 11 13 13-0139 EA 36" x 36" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,654.93 2,269.20 1,701.90	635.60
33 11 13 13-0140 EA 42" x 12" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,911.04 2,189.13 1,641.85	673.02
33 11 13 13-0141 EA 42" x 16" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,181.73 2,216.20 1,662.15	673.02
33 11 13 13-0142 EA 42" x 18" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,353.29 2,233.36 1,675.02	673.02
33 11 13 13-0143 EA 42" x 20" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,501.98 2,248.23 1,686.17	673.02
33 11 13 13-0144 EA 42" x 24" Tee, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,818.42 2,279.87 1,709.90	673.02



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0145	EA			42" x 30" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	29,434.22 2,841.45 2,131.09	673.02
33 11 13 13-0146	EA			42" x 36" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	36,750.39 3,573.07 2,679.80	673.02
33 11 13 13-0147	EA			42" x 42" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	38,668.08 3,764.84 2,823.63	673.02
33 11 13 13-0148	EA			48" x 12" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,092.71 2,898.26 2,173.69	732.72
33 11 13 13-0149	EA			48" x 14" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,207.08 2,909.69 2,182.27	732.72
33 11 13 13-0150	EA			48" x 16" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,447.27 2,933.71 2,200.28	732.72
33 11 13 13-0151	EA			48" x 18" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,500.65 2,939.05 2,204.29	732.72
33 11 13 13-0152	EA			48" x 20" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,649.33 2,953.92 2,215.44	732.72
33 11 13 13-0153	EA			48" x 24" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,939.08 2,982.89 2,237.17	732.72
33 11 13 13-0154	EA			48" x 30" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,479.33 3,136.92 2,352.69	732.72
33 11 13 13-0155	EA			48" x 36" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	38,365.82 3,725.57 2,794.18	732.72
33 11 13 13-0156	EA			48" x 42" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	48,316.42 4,720.63 3,540.47	732.72
33 11 13 13-0157	EA			48" x 48" Tee, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	50,012.98 4,890.28 3,667.71	732.72
33 11 13 13-0158				Cross, Mechanical Joint Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0159	EA			4" x 3" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	390.57 29.15 21.87	65.35
33 11 13 13-0160	EA			4" x 4" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	563.71 46.47 34.85	65.35
33 11 13 13-0161	EA			6" x 3" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	675.22 51.02 38.26	108.92

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0162 EA 6" x 4" Cross, Mechanical Joint Ductile Iron.....	702.33	108.92
For Cement Mortar Lining (CML), Add	53.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.30	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0163 EA 6" x 6" Cross, Mechanical Joint Ductile Iron.....	729.42	108.92
For Cement Mortar Lining (CML), Add	56.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	42.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0164 EA 8" x 4" Cross, Mechanical Joint Ductile Iron.....	704.86	125.26
For Cement Mortar Lining (CML), Add	51.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.63	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0165 EA 8" x 6" Cross, Mechanical Joint Ductile Iron.....	820.40	125.26
For Cement Mortar Lining (CML), Add	63.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.29	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0166 EA 8" x 8" Cross, Mechanical Joint Ductile Iron.....	924.60	125.26
For Cement Mortar Lining (CML), Add	73.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	55.11	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0167 EA 10" x 4" Cross, Mechanical Joint Ductile Iron.....	904.44	138.07
For Cement Mortar Lining (CML), Add	69.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.14	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0168 EA 10" x 6" Cross, Mechanical Joint Ductile Iron.....	904.44	138.07
For Cement Mortar Lining (CML), Add	69.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	52.14	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0169 EA 10" x 8" Cross, Mechanical Joint Ductile Iron.....	965.32	138.07
For Cement Mortar Lining (CML), Add	75.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	56.71	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0170 EA 10" x 10" Cross, Mechanical Joint Ductile Iron.....	1,121.52	138.07
For Cement Mortar Lining (CML), Add	91.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0171 EA 12 x 4" Cross, Mechanical Joint Ductile Iron.....	1,033.72	155.33
For Cement Mortar Lining (CML), Add	79.84	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.88	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0172 EA 12" x 6" Cross, Mechanical Joint Ductile Iron.....	1,114.47	155.33
For Cement Mortar Lining (CML), Add	87.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.93	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0173 EA 12" x 8" Cross, Mechanical Joint Ductile Iron.....	1,145.85	155.33
For Cement Mortar Lining (CML), Add	91.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	68.29	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0174 EA 12" x 10" Cross, Mechanical Joint Ductile Iron.....	1,320.80	155.33
For Cement Mortar Lining (CML), Add	108.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.41	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0175 EA 12" x 12" Cross, Mechanical Joint Ductile Iron.....	1,380.62	155.33
For Cement Mortar Lining (CML), Add	114.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0176 EA 14" x 4" Cross, Mechanical Joint Ductile Iron.....	2,695.48	181.22
For Cement Mortar Lining (CML), Add	242.09	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	181.57	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0177 EA 14" x 6" Cross, Mechanical Joint Ductile Iron.....	2,821.29	181.22
For Cement Mortar Lining (CML), Add	254.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	191.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0178 EA 14" x 8" Cross, Mechanical Joint Ductile Iron.....	2,962.36	181.22
For Cement Mortar Lining (CML), Add	268.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	201.59	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0179	EA			14" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,168.23 289.37 217.03	181.22
33 11 13 13-0180	EA			14" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,404.61 313.01 234.75	181.22
33 11 13 13-0181	EA			14" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,721.04 344.65 258.49	181.22
33 11 13 13-0182	EA			16" x 4" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,292.87 196.34 147.26	217.46
33 11 13 13-0183	EA			16" x 6" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,375.62 304.62 228.46	217.46
33 11 13 13-0184	EA			16" x 8" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,539.56 321.01 240.76	217.46
33 11 13 13-0185	EA			16" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,753.06 342.36 256.77	217.46
33 11 13 13-0186	EA			16" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,958.93 362.95 272.21	217.46
33 11 13 13-0187	EA			16" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,275.37 394.59 295.94	217.46
33 11 13 13-0188	EA			16" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,561.31 423.19 317.39	217.46
33 11 13 13-0189	EA			18" x 6" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,986.67 356.85 267.64	275.98
33 11 13 13-0190	EA			18" x 8" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,146.80 372.86 279.65	275.98
33 11 13 13-0191	EA			18" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,322.17 390.40 292.80	275.98
33 11 13 13-0192	EA			18" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,539.48 412.13 309.10	275.98
33 11 13 13-0193	EA			18" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,324.86 490.67 368.00	275.98
33 11 13 13-0194	EA			18" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,652.73 523.46 392.59	275.98
33 11 13 13-0195	EA			18" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,117.86 569.97 427.48	275.98

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0196 EA 20" x 6" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,830.83 426.62 319.96	372.64
33 11 13 13-0197 EA 20" x 8" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,002.39 443.77 332.83	372.64
33 11 13 13-0198 EA 20" x 10" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,170.14 460.55 345.41	372.64
33 11 13 13-0199 EA 20" x 12" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,391.27 482.66 362.00	372.64
33 11 13 13-0200 EA 20" x 14" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,684.83 512.02 384.01	372.64
33 11 13 13-0201 EA 20" x 16" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,596.01 603.14 452.35	372.64
33 11 13 13-0202 EA 20" x 18" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,080.20 651.56 488.67	372.64
33 11 13 13-0203 EA 20" x 20" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,491.95 692.73 519.55	372.64
33 11 13 13-0204 EA 24" x 8" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,533.08 578.74 434.05	492.20
33 11 13 13-0205 EA 24" x 10" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,754.21 600.85 450.64	492.20
33 11 13 13-0206 EA 24" x 12" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,899.08 615.34 461.50	492.20
33 11 13 13-0207 EA 24" x 14" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,200.27 645.46 484.09	492.20
33 11 13 13-0208 EA 24" x 16" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,455.71 671.00 503.25	492.20
33 11 13 13-0209 EA 24" x 18" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,483.95 873.82 655.37	492.20
33 11 13 13-0210 EA 24" x 20" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,941.45 919.57 689.68	492.20
33 11 13 13-0211 EA 24" x 24" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,837.39 1,009.17 756.88	492.20
33 11 13 13-0212 EA 30" x 8" Cross, Mechanical Joint Ductile Iron..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,449.56 1,142.99 857.24	673.02



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0213	EA			30" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,586.81 1,156.71 867.53	673.02
33 11 13 13-0214	EA			30" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,788.88 1,176.92 882.69	673.02
33 11 13 13-0215	EA			30" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,078.62 1,205.89 904.42	673.02
33 11 13 13-0216	EA			30" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,341.69 1,232.20 924.15	673.02
33 11 13 13-0217	EA			30" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,738.19 1,271.85 953.89	673.02
33 11 13 13-0218	EA			30" x 20" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,092.75 1,307.30 980.48	673.02
33 11 13 13-0219	EA			30" x 24" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,295.24 1,627.55 1,220.66	673.02
33 11 13 13-0220	EA			30" x 30" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,928.55 1,990.88 1,493.16	673.02
33 11 13 13-0221	EA			36" x 8" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,713.81 1,559.31 1,169.48	739.70
33 11 13 13-0222	EA			36" x 10" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,918.01 1,579.52 1,184.64	741.12
33 11 13 13-0223	EA			36" x 12" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,095.05 1,597.43 1,198.08	739.70
33 11 13 13-0224	EA			36" x 14" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,358.12 1,623.74 1,217.81	739.70
33 11 13 13-0225	EA			36" x 16" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,598.30 1,647.76 1,235.82	739.70
33 11 13 13-0226	EA			36" x 18" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,971.93 1,685.12 1,263.84	739.70
33 11 13 13-0227	EA			36" x 20" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,295.99 1,717.53 1,288.15	739.70
33 11 13 13-0228	EA			36" x 24" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,947.93 1,782.72 1,337.04	739.70
33 11 13 13-0229	EA			36" x 30" Cross, Mechanical Joint Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,863.79 2,474.31 1,855.73	739.70

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0230 EA 36" x 36" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,265.66 2,714.50 2,035.87	739.70
33 11 13 13-0231 EA 42" x 12" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,585.13 2,240.60 1,680.45	778.22
33 11 13 13-0232 EA 42" x 16" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,092.19 2,291.31 1,718.48	778.22
33 11 13 13-0233 EA 42" x 18" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,435.32 2,325.62 1,744.22	778.22
33 11 13 13-0234 EA 42" x 20" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	24,767.00 2,358.79 1,769.09	778.22
33 11 13 13-0235 EA 42" x 24" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,392.25 2,421.31 1,815.99	778.22
33 11 13 13-0236 EA 42" x 30" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,677.92 3,149.88 2,362.41	778.22
33 11 13 13-0237 EA 42" x 36" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	41,134.03 3,995.49 2,996.62	778.22
33 11 13 13-0238 EA 42" x 42" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	44,965.59 4,378.65 3,283.99	778.22
33 11 13 13-0239 EA 48" x 12" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,896.79 2,948.58 2,211.44	931.20
33 11 13 13-0240 EA 48" x 14" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,068.35 2,965.74 2,224.30	931.20
33 11 13 13-0241 EA 48" x 16" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,377.16 2,996.62 2,247.46	931.20
33 11 13 13-0242 EA 48" x 18" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,724.10 3,031.31 2,273.48	931.20
33 11 13 13-0243 EA 48" x 20" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,025.29 3,061.43 2,296.07	931.20
33 11 13 13-0244 EA 48" x 24" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	32,635.28 3,122.43 2,341.82	931.20
33 11 13 13-0245 EA 48" x 30" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	35,689.09 3,427.81 2,570.86	931.20
33 11 13 13-0246 EA 48" x 36" Cross, Mechanical Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	42,547.77 4,113.68 3,085.26	931.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0247 EA 48" x 42" Cross, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	54,053.87 5,264.29 3,948.22	931.20
33 11 13 13-0248 EA 48" x 48" Cross, Mechanical Joint Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	57,382.18 5,597.12 4,197.84	931.20
33 11 13 13-0249 Mechanical Joint x Mechanical Joint Reducers, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0250 EA 6" x 3" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.42 20.63 15.47	49.51
33 11 13 13-0251 EA 6" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	285.50 20.63 15.47	52.32
33 11 13 13-0252 EA 8" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	334.90 23.59 17.69	66.01
33 11 13 13-0253 EA 8" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	358.14 25.91 19.43	66.01
33 11 13 13-0254 EA 10" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	373.47 26.91 20.18	68.88
33 11 13 13-0255 EA 10" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	400.38 29.60 22.20	68.88
33 11 13 13-0256 EA 10" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	431.76 32.74 24.56	68.88
33 11 13 13-0257 EA 12" x 4" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	476.70 35.43 26.57	80.80
33 11 13 13-0258 EA 12" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	494.66 37.23 27.92	80.80
33 11 13 13-0259 EA 12" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	521.58 39.92 29.94	80.80
33 11 13 13-0260 EA 12" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	561.91 43.95 32.97	80.80
33 11 13 13-0261 EA 14" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,208.59 107.13 80.35	90.61
33 11 13 13-0262 EA 14" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,315.34 117.81 88.35	90.61
33 11 13 13-0263 EA 14" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,414.47 127.72 95.79	90.61

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0264 EA 14" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,547.90 141.06 105.80	90.61
33 11 13 13-0265 EA 16" x 6" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,426.46 126.96 95.22	103.56
33 11 13 13-0266 EA 16" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,533.21 137.63 103.22	103.56
33 11 13 13-0267 EA 16" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,681.90 152.50 114.38	103.56
33 11 13 13-0268 EA 16" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,819.15 166.23 124.67	103.56
33 11 13 13-0269 EA 16" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,009.77 185.29 138.97	103.56
33 11 13 13-0270 EA 18" x 8" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,954.31 173.47 130.10	144.98
33 11 13 13-0271 EA 18" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,106.81 188.72 141.54	144.98
33 11 13 13-0272 EA 18" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,244.06 202.44 151.83	144.98
33 11 13 13-0273 EA 18" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,434.69 221.51 166.13	144.98
33 11 13 13-0274 EA 18" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,621.50 240.19 180.14	144.98
33 11 13 13-0275 EA 20" x 10" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,432.42 215.79 161.84	181.22
33 11 13 13-0276 EA 20" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,588.73 231.42 173.56	181.22
33 11 13 13-0277 EA 20" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,752.67 247.81 185.86	181.22
33 11 13 13-0278 EA 20" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,973.80 269.93 202.44	181.22
33 11 13 13-0279 EA 20" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,248.29 297.37 223.03	181.22
33 11 13 13-0280 EA 24" x 12" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,453.79 308.81 231.61	241.31



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0281	EA			24" x 14" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,617.73 325.21 243.90	241.31
33 11 13 13-0282	EA			24" x 16" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,831.23 346.56 259.92	241.31
33 11 13 13-0283	EA			24" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,128.60 376.29 282.22	241.31
33 11 13 13-0284	EA			24" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,368.79 400.31 300.23	241.31
33 11 13 13-0285	EA			30" x 18" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,762.93 637.07 477.80	258.88
33 11 13 13-0286	EA			30" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,102.24 671.00 503.25	258.88
33 11 13 13-0287	EA			30" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,750.36 735.81 551.86	258.88
33 11 13 13-0288	EA			36" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,328.40 892.12 669.09	268.77
33 11 13 13-0289	EA			36" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,045.15 963.80 722.85	268.77
33 11 13 13-0290	EA			36" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,252.58 1,184.54 888.41	268.77
33 11 13 13-0291	EA			42" x 20" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,411.43 1,194.07 895.55	310.66
33 11 13 13-0292	EA			42" x 24" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,280.68 1,281.00 960.75	310.66
33 11 13 13-0293	EA			42" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,625.36 1,515.47 1,136.60	310.66
33 11 13 13-0294	EA			42" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,455.35 1,698.47 1,273.85	310.66
33 11 13 13-0295	EA			48" x 30" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	19,113.33 1,861.26 1,395.94	330.51
33 11 13 13-0296	EA			48" x 36" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	21,156.83 2,065.61 1,549.21	330.51
33 11 13 13-0297	EA			48" x 42" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,768.38 2,326.76 1,745.07	330.51

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0298 EA 54" x 48" Mechanical Joint x Mechanical Joint Reducer, Ductile Iron.....	27,154.41	349.50
For Cement Mortar Lining (CML), Add	2,662.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,996.87	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0299 Mechanical Joint x Plain End Offsets, Ductile Iron (33 11 13 13-0002)		
33 11 13 13-0300 EA 4" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	821.14	119.82
For Cement Mortar Lining (CML), Add	63.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	47.97	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0301 EA 4" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	846.84	119.82
For Cement Mortar Lining (CML), Add	66.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.90	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0302 EA 6" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,014.33	149.77
For Cement Mortar Lining (CML), Add	78.74	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.06	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0303 EA 6" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,120.32	149.77
For Cement Mortar Lining (CML), Add	89.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	67.01	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0304 EA 6" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,253.38	149.77
For Cement Mortar Lining (CML), Add	102.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	76.98	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0305 EA 8" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,304.81	171.14
For Cement Mortar Lining (CML), Add	104.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.41	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0306 EA 8" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,571.08	171.14
For Cement Mortar Lining (CML), Add	131.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	98.38	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0307 EA 8" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,687.26	171.14
For Cement Mortar Lining (CML), Add	142.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0308 EA 10" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	1,730.49	199.69
For Cement Mortar Lining (CML), Add	142.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	107.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0309 EA 10" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,108.38	199.69
For Cement Mortar Lining (CML), Add	180.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	135.44	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0310 EA 10" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,432.44	199.69
For Cement Mortar Lining (CML), Add	212.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	159.74	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0311 EA 12" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,516.04	217.85
For Cement Mortar Lining (CML), Add	218.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	163.95	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0312 EA 12" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron.....	2,801.17	217.85
For Cement Mortar Lining (CML), Add	247.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	185.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0313 EA 12" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron.....	3,352.61	217.85
For Cement Mortar Lining (CML), Add	302.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	226.69	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0314 EA 14" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron.....	4,240.81	239.63
For Cement Mortar Lining (CML), Add	387.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	290.83	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0315 EA 14" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,381.32 501.83 376.37	239.63
33 11 13 13-0316 EA 14" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,071.78 270.87 203.15	239.63
33 11 13 13-0317 EA 16" Diameter x 6" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,494.36 209.09 156.82	266.28
33 11 13 13-0318 EA 16" Diameter x 12" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,159.66 275.62 206.72	266.28
33 11 13 13-0319 EA 16" Diameter x 18" Mechanical Joint x Plain End Offset, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,682.39 327.90 245.92	266.28
33 11 13 13-0320 Mechanical Joint Caps, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0321 EA 4" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	241.77 12.07 9.06	79.87
33 11 13 13-0322 EA 6" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	312.28 16.10 12.08	99.85
33 11 13 13-0323 EA 8" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	383.09 21.02 15.77	114.13
33 11 13 13-0324 EA 10" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	538.80 27.73 20.80	172.59
33 11 13 13-0325 EA 12" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	634.11 34.88 26.16	188.28
33 11 13 13-0326 EA 14" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	998.11 68.43 51.32	207.11
33 11 13 13-0327 EA 16" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,272.48 92.38 69.29	230.09
33 11 13 13-0328 EA 18" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,684.83 129.26 96.94	258.88
33 11 13 13-0329 EA 20" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,953.76 150.55 112.91	295.83
33 11 13 13-0330 EA 24" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,701.38 217.84 163.38	345.18
33 11 13 13-0331 EA 30" Mechanical Joint Cap, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,885.73 425.81 319.36	414.21

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0332 EA 36" Mechanical Joint Cap, Ductile Iron	6,851.07	517.77
For Cement Mortar Lining (CML), Add	606.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	454.99	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0333 EA 42" Mechanical Joint Cap, Ductile Iron	10,103.50	621.32
For Cement Mortar Lining (CML), Add	916.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	687.16	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0334 EA 48" Mechanical Joint Cap, Ductile Iron	13,211.45	690.36
For Cement Mortar Lining (CML), Add	1,216.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	912.41	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0335 EA 54" Mechanical Joint Cap, Ductile Iron	15,813.69	776.65
For Cement Mortar Lining (CML), Add	1,463.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,097.77	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0336 Mechanical Joint x Mechanical Joint Solid Sleeves, Ductile Irons (33 11 13 13-0002)		
33 11 13 13-0337 EA 4" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	461.84	119.82
For Cement Mortar Lining (CML), Add	28.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.02	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0338 EA 6" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	548.63	149.77
For Cement Mortar Lining (CML), Add	32.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.13	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0339 EA 8" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	679.79	171.14
For Cement Mortar Lining (CML), Add	42.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	31.53	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0340 EA 10" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	940.11	258.88
For Cement Mortar Lining (CML), Add	54.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.09	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0341 EA 12" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	1,112.73	282.41
For Cement Mortar Lining (CML), Add	68.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0342 EA 14" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	1,585.52	310.66
For Cement Mortar Lining (CML), Add	111.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.61	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0343 EA 16" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	1,867.16	345.18
For Cement Mortar Lining (CML), Add	134.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	100.81	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0344 EA 18" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	2,340.24	388.33
For Cement Mortar Lining (CML), Add	175.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	131.39	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0345 EA 20" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	2,669.56	443.79
For Cement Mortar Lining (CML), Add	199.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.78	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0346 EA 24" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	3,409.11	517.77
For Cement Mortar Lining (CML), Add	262.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	196.85	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0347 EA 30" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	7,375.52	621.32
For Cement Mortar Lining (CML), Add	643.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	482.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0348 EA 36" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron.....	9,633.49	776.65
For Cement Mortar Lining (CML), Add	845.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	634.26	
Note: ANSI/AWWA C151/A21.51		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0349 EA 42" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,185.61 984.23 738.17	886.56
33 11 13 13-0350 EA 48" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,459.38 1,189.04 891.78	1,035.54
33 11 13 13-0351 EA 54" Mechanical Joint x Mechanical Joint Solid Sleeve, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,560.52 1,383.46 1,037.59	1,139.08
33 11 13 13-0352 Flanged End x Mechanical Joint Adapters, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0353 EA 4" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	455.47 27.39 20.54	119.82
33 11 13 13-0354 EA 6" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	583.66 35.67 26.76	149.77
33 11 13 13-0355 EA 8" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	737.12 47.78 35.83	171.14
33 11 13 13-0356 EA 10" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,022.92 63.07 47.30	258.88
33 11 13 13-0357 EA 12" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,217.84 78.99 59.24	282.41
33 11 13 13-0358 EA 14" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,585.52 111.48 83.61	310.66
33 11 13 13-0359 EA 16" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,873.53 135.05 101.29	345.18
33 11 13 13-0360 EA 18" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,343.42 175.51 131.63	388.33
33 11 13 13-0361 EA 20" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,742.82 207.04 155.28	443.79
33 11 13 13-0362 EA 24" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,491.93 270.74 203.06	517.77
33 11 13 13-0363 EA 30" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,531.44 559.01 419.25	621.32
33 11 13 13-0364 EA 36" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,525.03 734.83 551.12	776.65
33 11 13 13-0365 EA 42" Flanged End x Mechanical Joint Adapters, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,295.45 995.06 746.30	887.58

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0366 EA 48" Flanged End x Mechanical Joint Adapters, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,752.42 1,218.34 913.76	1,035.54
33 11 13 13-0367 EA 54" Flanged End x Mechanical Joint Adapters, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,092.50 1,436.66 1,077.49	1,139.08
33 11 13 13-0368 Mechanical Joint x Push-On Joint Adapters, Ductile Iron <small>(33 11 13 13-0002)</small>		
33 11 13 13-0369 EA 4" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	438.15 25.66 19.25	119.82
33 11 13 13-0370 EA 6" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	535.81 30.89 23.17	149.77
33 11 13 13-0371 EA 8" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	710.79 45.15 33.86	171.14
33 11 13 13-0372 EA 10" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	986.27 59.40 44.55	258.88
33 11 13 13-0373 EA 12" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,212.01 78.41 58.81	282.41
33 11 13 13-0374 EA 14" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,444.89 97.42 73.06	310.66
33 11 13 13-0375 EA 16" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,711.03 118.80 89.10	345.18
33 11 13 13-0376 EA 18" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,014.01 142.56 106.92	388.33
33 11 13 13-0377 EA 20" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,383.20 171.08 128.31	443.79
33 11 13 13-0378 EA 24" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,041.76 225.73 169.29	517.77
33 11 13 13-0379 EA 30" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,965.50 402.41 301.81	621.32
33 11 13 13-0380 EA 36" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,716.78 554.00 415.50	776.65
33 11 13 13-0381 EA 42" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,481.96 713.87 535.40	886.56
33 11 13 13-0382 EA 48" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,609.44 904.05 678.03	1,035.54



Utilities	33	CS
Water Utilities	33 10	
Water Utility Distribution Piping	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0383 EA 54" Mechanical Joint x Push-On Joint Adapter, Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,752.56 1,102.66 827.00	1,139.08
33 11 13 13-0384 Pipe And Fitting Restraints, Mechanical Joint Ductile Iron (Megalug 1100)⁽³³⁾ <small>^{11 13 13-0002}</small> <i>Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.</i>		
33 11 13 13-0385 EA 4" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	132.81 2.98	61.48
33 11 13 13-0386 EA 6" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	161.54 3.47	76.08
33 11 13 13-0387 EA 8" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	205.75 5.35	88.79
33 11 13 13-0388 EA 10" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	301.64 7.91	129.44
33 11 13 13-0389 EA 12" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	377.58 11.51	147.95
33 11 13 13-0390 EA 14" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	437.02 14.68	159.25
33 11 13 13-0391 EA 16" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	541.39 20.99	172.59
33 11 13 13-0392 EA 18" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	710.31 29.74	207.11
33 11 13 13-0393 EA 20" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	839.01 36.78	230.01
33 11 13 13-0394 EA 24" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	980.36 43.36	265.40
33 11 13 13-0395 EA 30" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,044.77 117.19	318.27
33 11 13 13-0396 EA 36" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,602.93 149.96	398.29
33 11 13 13-0397 EA 42" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,755.99 229.48	459.56
33 11 13 13-0398 EA 48" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,983.92 306.63	591.04
33 11 13 13-0399 EA 54" Pipe And Fitting Restraint, Mechanical Joint Ductile Iron (Megalug 1100) <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,254.00 390.60	690.36
33 11 13 13-0400 Push-On Joint Ductile Iron Piping <small>(33 11 13 13-0001)</small>		
33 11 13 13-0401 Push-On Joint Ductile Iron Pipe <small>(33 11 13 13-0400)</small> <i>Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D class 50.</i>		
33 11 13 13-0402 LF 4" Push-On Joint Ductile Iron Pipe..... <i>For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add</i> <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i> <i>For >1,000, Deduct</i> <i>For Class 51, Add</i> <i>For Class 52, Add</i> <i>For Class 53, Add</i> <i>For Class 54, Add</i> <i>For Class 55, Add</i> <i>For Class 56, Add</i>	21.88 8.10 1.16 0.87 -1.09 1.08 2.34 3.54 4.76 5.94 7.41	6.81

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0403 LF 6" Push-On Joint Ductile Iron Pipe.....	28.24	7.51
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	11.85	
For Cement Mortar Lining (CML), Add	1.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.27	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.41	
For Class 51, Add	1.54	
For Class 52, Add	3.32	
For Class 53, Add	5.04	
For Class 54, Add	6.77	
For Class 55, Add	8.45	
For Class 56, Add	10.57	
33 11 13 13-0404 LF 8" Push-On Joint Ductile Iron Pipe.....	36.37	8.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.79	
For Cement Mortar Lining (CML), Add	2.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.82	
For Class 51, Add	2.13	
For Class 52, Add	4.62	
For Class 53, Add	7.01	
For Class 54, Add	9.42	
For Class 55, Add	11.75	
For Class 56, Add	14.70	
33 11 13 13-0405 LF 10" Push-On Joint Ductile Iron Pipe.....	49.28	11.69
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.98	
For Cement Mortar Lining (CML), Add	3.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.37	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.46	
For Class 51, Add	2.83	
For Class 52, Add	6.12	
For Class 53, Add	9.29	
For Class 54, Add	12.48	
For Class 55, Add	15.57	
For Class 56, Add	19.48	
33 11 13 13-0406 LF 12" Push-On Joint Ductile Iron Pipe.....	59.91	12.94
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	20.15	
For Cement Mortar Lining (CML), Add	4.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.02	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.00	
For Class 51, Add	3.57	
For Class 52, Add	7.73	
For Class 53, Add	11.73	
For Class 54, Add	15.76	
For Class 55, Add	19.66	
For Class 56, Add	24.60	
33 11 13 13-0407 LF 14" Push-On Joint Ductile Iron Pipe.....	72.54	14.59
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.22	
For Cement Mortar Lining (CML), Add	5.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.79	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.63	
For Class 51, Add	4.44	
For Class 52, Add	9.62	
For Class 53, Add	14.60	
For Class 54, Add	19.62	
For Class 55, Add	24.47	
For Class 56, Add	30.64	
33 11 13 13-0408 LF 16" Push-On Joint Ductile Iron Pipe.....	84.55	16.63
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	24.34	
For Cement Mortar Lining (CML), Add	5.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.45	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.23	
For Class 51, Add	5.21	
For Class 52, Add	11.30	
For Class 53, Add	17.14	
For Class 54, Add	23.03	
For Class 55, Add	28.72	
For Class 56, Add	35.96	



Utilities	33	CS
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0409 LF 18" Push-On Joint Ductile Iron Pipe.....	97.63	19.46
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	27.97	
For Cement Mortar Lining (CML), Add	6.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.12	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.88	
For Class 51, Add	5.99	
For Class 52, Add	12.99	
For Class 53, Add	19.71	
For Class 54, Add	26.48	
For Class 55, Add	33.03	
For Class 56, Add	41.36	
33 11 13 13-0410 LF 20" Push-On Joint Ductile Iron Pipe.....	113.11	23.30
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.57	
For Cement Mortar Lining (CML), Add	7.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.84	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.66	
For Class 51, Add	6.86	
For Class 52, Add	14.86	
For Class 53, Add	22.55	
For Class 54, Add	30.30	
For Class 55, Add	37.79	
For Class 56, Add	47.31	
33 11 13 13-0411 LF 24" Push-On Joint Ductile Iron Pipe.....	142.21	29.11
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	30.40	
For Cement Mortar Lining (CML), Add	9.81	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.35	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.11	
For Class 51, Add	8.64	
For Class 52, Add	18.72	
For Class 53, Add	28.41	
For Class 54, Add	38.16	
For Class 55, Add	47.60	
For Class 56, Add	59.59	
33 11 13 13-0412 LF 30" Push-On Joint Ductile Iron Pipe.....	175.05	31.07
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	39.67	
For Cement Mortar Lining (CML), Add	12.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.60	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.75	
For Class 51, Add	11.14	
For Class 52, Add	24.17	
For Class 53, Add	36.68	
For Class 54, Add	49.28	
For Class 55, Add	61.47	
For Class 56, Add	76.99	
33 11 13 13-0413 LF 36" Push-On Joint Ductile Iron Pipe.....	218.54	33.03
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	52.23	
For Cement Mortar Lining (CML), Add	16.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.64	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-10.93	
For Class 51, Add	14.52	
For Class 52, Add	31.53	
For Class 53, Add	47.85	
For Class 54, Add	64.29	
For Class 55, Add	80.19	
For Class 56, Add	100.47	
33 11 13 13-0414 LF 42" Push-On Joint Ductile Iron Pipe.....	267.79	34.99
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.60	
For Cement Mortar Lining (CML), Add	21.48	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.11	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.39	
For Class 51, Add	18.38	
For Class 52, Add	39.93	
For Class 53, Add	60.60	
For Class 54, Add	81.43	
For Class 55, Add	101.56	
For Class 56, Add	127.29	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0415 LF 48" Push-On Joint Ductile Iron Pipe.....	323.78	36.87
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	83.03	
For Cement Mortar Lining (CML), Add	26.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.09	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-16.19	
For Class 51, Add	22.78	
For Class 52, Add	49.52	
For Class 53, Add	75.17	
For Class 54, Add	101.02	
For Class 55, Add	125.99	
For Class 56, Add	157.94	
33 11 13 13-0416 LF 54" Push-On Joint Ductile Iron Pipe.....	412.64	38.83
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	109.68	
For Cement Mortar Lining (CML), Add	35.38	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.54	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.63	
For Class 51, Add	29.91	
For Class 52, Add	65.04	
For Class 53, Add	98.74	
For Class 54, Add	132.69	
For Class 55, Add	165.49	
For Class 56, Add	207.50	
33 11 13 13-0417 Elbow, Push-On Joint Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0418 EA 4" Elbow, Push-On Joint Ductile Iron.....	191.70	26.57
For Cement Mortar Lining (CML), Add	15.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.36	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0419 EA 6" Elbow, Push-On Joint Ductile Iron.....	277.72	39.19
For Cement Mortar Lining (CML), Add	21.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.37	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0420 EA 8" Elbow, Push-On Joint Ductile Iron.....	373.36	46.54
For Cement Mortar Lining (CML), Add	30.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.71	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0421 EA 10" Elbow, Push-On Joint Ductile Iron.....	564.54	51.62
For Cement Mortar Lining (CML), Add	45.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.33	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0422 EA 12" Elbow, Push-On Joint Ductile Iron.....	730.83	60.56
For Cement Mortar Lining (CML), Add	60.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.42	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0423 EA 14" Elbow, Push-On Joint Ductile Iron.....	1,468.75	67.94
For Cement Mortar Lining (CML), Add	132.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.62	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0424 EA 16" Elbow, Push-On Joint Ductile Iron.....	1,660.04	77.67
For Cement Mortar Lining (CML), Add	149.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.47	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0425 EA 18" Elbow, Push-On Joint Ductile Iron.....	2,591.11	108.73
For Cement Mortar Lining (CML), Add	236.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	177.48	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0426 Tee, Push-On Joint Ductile Iron (33 11 13 13-0400)		
33 11 13 13-0427 EA 4" Tee, Push-On Joint Ductile Iron.....	293.58	39.19
For Cement Mortar Lining (CML), Add	23.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.56	
Note: ANSI/AWWA C151/A21.51		
33 11 13 13-0428 EA 6" Tee, Push-On Joint Ductile Iron.....	407.73	57.59
For Cement Mortar Lining (CML), Add	32.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.03	
Note: ANSI/AWWA C151/A21.51		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 11 13	13-0429	EA	8" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	560.13 45.43 34.07	69.81
	33 11 13	13-0430	EA	10" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	832.48 71.48 53.61	78.45
	33 11 13	13-0431	EA	12" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,038.71 90.14 67.61	90.45
	33 11 13	13-0432	EA	14" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,685.30 152.06 114.04	108.73
	33 11 13	13-0433	EA	16" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,443.06 223.71 167.78	135.95
	33 11 13	13-0434	EA	18" Tee, Push-On Joint Ductile Iron..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,836.73 356.19 267.14	181.38
33 11 13 13-0435 Flanged End x Push-On Joint Adapters, Ductile Iron <small>(33 11 13 13-0400)</small>						
	33 11 13	13-0436	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	402.43 26.28 19.71	92.17
	33 11 13	13-0437	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	491.41 31.85 23.89	114.13
	33 11 13	13-0438	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	659.57 45.79 34.34	133.09
	33 11 13	13-0439	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	891.42 59.72 44.79	194.16
	33 11 13	13-0440	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,092.70 75.65 56.74	221.93
	33 11 13	13-0441	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,277.82 91.58 68.68	238.96
	33 11 13	13-0442	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,546.89 115.46 86.60	258.88
	33 11 13	13-0443	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,824.41 135.37 101.53	310.66
	33 11 13	13-0444	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,135.51 161.25 120.94	345.18
	33 11 13	13-0445	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,713.66 211.02 158.27	398.29

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0446 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,511.37 378.72 284.04	477.91
33 11 13 13-0447 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,308.89 540.37 405.28	597.39
33 11 13 13-0448 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,043.11 699.71 524.78	690.36
33 11 13 13-0449 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,258.66 891.38 668.54	887.58
33 11 13 13-0450 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,509.03 1,093.96 820.47	1,035.77
33 11 13 13-0451 Pipe And Fitting Restraints, Push-On Joint Ductile Iron <small>(33 11 13 13-0400)</small> <i>Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.</i>		
33 11 13 13-0452 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	38.04	9.99
33 11 13 13-0453 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	43.03	9.99
33 11 13 13-0454 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.00	14.12
33 11 13 13-0455 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	69.50	15.53
33 11 13 13-0456 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	83.47	17.26
33 11 13 13-0457 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	106.97	19.37
33 11 13 13-0458 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	126.67	22.20
33 11 13 13-0459 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	146.23	25.89
33 11 13 13-0460 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	170.06	31.07
33 11 13 13-0461 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	205.21	31.07
33 11 13 13-0462 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	273.00	38.83
33 11 13 13-0463 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	354.62	38.83
33 11 13 13-0464 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	454.93	51.77
33 11 13 13-0465 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	527.46	51.77
33 11 13 13-0466 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	728.19	51.77
33 11 13 13-0467 Bell Restraint Harness, Ductile Iron (Megalug 1700) <small>(33 11 13 13-0400)</small>		
33 11 13 13-0468 EA 4" Bell Restraint Harness, Ductile Iron (Megalug 1700)	137.52	52.95
33 11 13 13-0469 EA 6" Bell Restraint Harness, Ductile Iron (Megalug 1700)	177.69	64.64
33 11 13 13-0470 EA 8" Bell Restraint Harness, Ductile Iron (Megalug 1700)	225.87	78.84
33 11 13 13-0471 EA 10" Bell Restraint Harness, Ductile Iron (Megalug 1700)	325.65	96.18
33 11 13 13-0472 EA 12" Bell Restraint Harness, Ductile Iron (Megalug 1700)	402.67	117.28
33 11 13 13-0473 EA 14" Bell Restraint Harness, Ductile Iron (Megalug 1700)	655.55	143.10
33 11 13 13-0474 EA 16" Bell Restraint Harness, Ductile Iron (Megalug 1700)	755.78	174.63
33 11 13 13-0475 EA 18" Bell Restraint Harness, Ductile Iron (Megalug 1700)	867.77	212.99
33 11 13 13-0476 EA 20" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,159.92	259.90
33 11 13 13-0477 EA 24" Bell Restraint Harness, Ductile Iron (Megalug 1700)	1,470.14	317.02
33 11 13 13-0478 EA 30" Bell Restraint Harness, Ductile Iron (Megalug 1700)	2,432.17	386.83
33 11 13 13-0479 EA 36" Bell Restraint Harness, Ductile Iron (Megalug 1700)	3,400.53	471.88
33 11 13 13-0480 EA 42" Bell Restraint Harness, Ductile Iron (Megalug 1700)	5,992.38	575.74
33 11 13 13-0481 EA 48" Bell Restraint Harness, Ductile Iron (Megalug 1700)	7,724.43	702.36
33 11 13 13-0482 Ductile Iron Pipe Repair <small>(33 11 13 13-0001)</small> <i>See CSI section 33 11 13 13-0002 for mechanical joint fittings.</i>		
33 11 13 13-0483 Ductile Iron Pipe Repair <small>(33 11 13 13-0482)</small> <i>Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.</i>		
33 11 13 13-0484 EA 30" Diameter Mechanical Ductile Iron Push Joint	2,857.60	
33 11 13 13-0485 EA 36" Diameter Mechanical Ductile Iron Push Joint	3,649.50	
33 11 13 13-0486 EA 42" Diameter Mechanical Ductile Iron Push Joint	4,681.58	
33 11 13 13-0487 EA 48" Diameter Mechanical Ductile Iron Push Joint	5,894.58	
33 11 13 13-0488 EA 54" Diameter Mechanical Ductile Iron Push Joint	8,607.61	
33 11 13 13-0489 WEKO Seals <small>(33 11 13 13-0482)</small> <i>Note: Internal joint seal.</i>		
33 11 13 13-0490 EA 16" WEKO Internal Joint Seal	1,676.73	140.06
<i>For Extra Wide Seals, Add</i>	80.61	
33 11 13 13-0491 EA 20" WEKO Internal Joint Seal	1,897.14	155.72
<i>For Extra Wide Seals, Add</i>	81.80	
33 11 13 13-0492 EA 24" WEKO Internal Joint Seal	2,008.31	168.18
<i>For Extra Wide Seals, Add</i>	82.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 13-0493 EA 30" WEKO Internal Joint Seal.....	2,069.58	180.64
For Extra Wide Seals, Add	83.69	
33 11 13 13-0494 EA 36" WEKO Internal Joint Seal.....	2,167.99	196.21
For Extra Wide Seals, Add	84.86	
33 11 13 13-0495 EA 42" WEKO Internal Joint Seal.....	2,308.55	214.90
For Extra Wide Seals, Add	86.28	
33 11 13 13-0496 EA 48" WEKO Internal Joint Seal.....	2,494.27	230.46
For Extra Wide Seals, Add	87.46	
33 11 13 13-0497 EA 54" WEKO Internal Joint Seal.....	2,585.49	242.92
For Extra Wide Seals, Add	88.40	
33 11 13 13-0498 EA 60" WEKO Internal Joint Seal.....	2,691.13	261.62
For Extra Wide Seals, Add	89.82	
33 11 13 23 Plastic Public Water Utility Distribution Piping (33 11 13)		
33 11 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 11 13 23)		
33 11 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 11 13 23-0001)		
33 11 13 23-0003 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.67	0.61
For >1,000, Deduct	-0.08	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.04	
33 11 13 23-0004 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	1.83	0.65
For >1,000, Deduct	-0.09	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.05	
33 11 13 23-0005 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.09	0.71
For >1,000, Deduct	-0.10	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.08	
33 11 13 23-0006 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.39	0.79
For >1,000, Deduct	-0.12	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 11 13 23-0007 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.98	0.88
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.20	
33 11 13 23-0008 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.74	1.00
For >1,000, Deduct	-0.19	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.31	
33 11 13 23-0009 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.55	1.14
For >1,000, Deduct	-0.23	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.42	
33 11 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.29	1.41
For >1,000, Deduct	-0.31	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.69	
33 11 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.50	1.79
For >1,000, Deduct	-0.53	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.51	
33 11 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	16.20	2.39
For >1,000, Deduct	-0.81	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.56	
33 11 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	23.89	3.20
For >1,000, Deduct	-1.19	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	3.97	
33 11 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	33.16	4.30
For >1,000, Deduct	-1.66	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	5.60	
33 11 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0016 EA 3/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	18.36	7.28
33 11 13 23-0017 EA 1" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	23.15	9.09
33 11 13 23-0018 EA 1-1/4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	29.09	11.37
33 11 13 23-0019 EA 1-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	40.27	12.58
33 11 13 23-0020 EA 2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	43.90	14.09
33 11 13 23-0021 EA 2-1/2" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	51.47	15.99
33 11 13 23-0022 EA 3" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	58.67	18.33
33 11 13 23-0023 EA 4" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	79.12	22.52
33 11 13 23-0024 EA 6" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	110.88	28.60
33 11 13 23-0025 EA 8" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	172.49	37.55
33 11 13 23-0026 EA 10" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	215.36	50.23
33 11 13 23-0027 EA 12" 90 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	285.64	67.61
33 11 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	18.59	7.28
33 11 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	23.32	9.09
33 11 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	29.19	11.37
33 11 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	37.19	12.58
33 11 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	44.19	14.09
33 11 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	52.64	15.99
33 11 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	58.18	18.33
33 11 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	78.06	22.52
33 11 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	108.74	28.60
33 11 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	168.40	37.55

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 11 13 23-0039	EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	198.43	50.23
33 11 13 23-0040	EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	262.21	67.61
33 11 13 23-0041	Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0042	EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	27.52	10.91
33 11 13 23-0043	EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	34.68	13.72
33 11 13 23-0044	EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	43.42	17.13
33 11 13 23-0045	EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	56.61	18.94
33 11 13 23-0046	EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	64.11	21.07
33 11 13 23-0047	EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	74.21	24.02
33 11 13 23-0048	EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	89.32	27.43
33 11 13 23-0049	EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	115.53	33.80
33 11 13 23-0050	EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	181.12	42.97
33 11 13 23-0051	EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	265.03	56.32
33 11 13 23-0052	EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	317.34	76.80
33 11 13 23-0053	EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	402.28	103.34
33 11 13 23-0054	Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 11 13 23-0001)		
33 11 13 23-0055	EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	12.28	4.85
33 11 13 23-0056	EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	16.54	6.52
33 11 13 23-0057	EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	21.98	8.56
33 11 13 23-0058	EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	28.80	9.48
33 11 13 23-0059	EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	31.84	10.53
33 11 13 23-0060	EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	36.22	11.98
33 11 13 23-0061	EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	42.08	13.71
33 11 13 23-0062	EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	56.22	16.87
33 11 13 23-0063	EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	78.24	21.49
33 11 13 23-0064	EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	126.35	28.15
33 11 13 23-0065	EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	152.03	38.44
33 11 13 23-0066	EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	195.79	51.67
33 11 13 23-0067	Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 11 13 23)		
33 11 13 23-0068	Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0067)		
33 11 13 23-0069	LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	1.79	0.61
	For >1,000, Deduct	-0.09	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.07	
33 11 13 23-0070	LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.05	0.65
	For >1,000, Deduct	-0.10	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.11	
33 11 13 23-0071	LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	2.60	0.79
	For >1,000, Deduct	-0.13	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.16	
33 11 13 23-0072	LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.06	0.88
	For >1,000, Deduct	-0.15	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.22	
33 11 13 23-0073	LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.87	1.00
	For >1,000, Deduct	-0.19	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.34	
33 11 13 23-0074	LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.63	1.14
	For >1,000, Deduct	-0.23	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.44	
33 11 13 23-0075	LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	6.07	1.41
	For >1,000, Deduct	-0.30	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.64	
33 11 13 23-0076	LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	8.92	1.79
	For >1,000, Deduct	-0.45	
	For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.11	
33 11 13 23-0077	90 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0078	EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	18.44	7.28
33 11 13 23-0079	EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	23.20	9.09
33 11 13 23-0080	EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	32.21	12.58
33 11 13 23-0081	EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	36.24	14.09
33 11 13 23-0082	EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	42.86	15.99
33 11 13 23-0083	EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	49.25	18.33
33 11 13 23-0084	EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	63.36	22.52
33 11 13 23-0085	EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	94.00	28.60
33 11 13 23-0086	45 Degree Elbows, Schedule 40 Polyvinyl Chloride (PVC) (33 11 13 23-0067)		
33 11 13 23-0087	EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	18.42	7.28
33 11 13 23-0088	EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	23.18	9.09
33 11 13 23-0089	EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	32.21	12.58
33 11 13 23-0090	EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	36.16	14.09
33 11 13 23-0091	EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	42.64	15.99
33 11 13 23-0092	EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	49.00	18.33
33 11 13 23-0093	EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	62.84	22.52



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0094	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC)	92.34	28.60
33 11 13 23-0095			Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0067)</small>		
33 11 13 23-0096	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	27.61	10.91
33 11 13 23-0097	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	34.75	13.72
33 11 13 23-0098	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	48.20	18.94
33 11 13 23-0099	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	54.08	21.07
33 11 13 23-0100	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	64.44	24.02
33 11 13 23-0101	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	74.94	27.43
33 11 13 23-0102	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	92.91	33.80
33 11 13 23-0103	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC)	142.59	42.97
33 11 13 23-0104			Couplings, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0067)</small>		
33 11 13 23-0105	EA		3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	12.32	4.85
33 11 13 23-0106	EA		1" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	16.58	6.52
33 11 13 23-0107	EA		1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	24.05	9.48
33 11 13 23-0108	EA		2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	27.03	10.53
33 11 13 23-0109	EA		2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	31.44	11.98
33 11 13 23-0110	EA		3" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	36.55	13.71
33 11 13 23-0111	EA		4" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	45.19	16.87
33 11 13 23-0112	EA		6" Coupling, Schedule 40 Polyvinyl Chloride (PVC)	63.91	21.49
33 11 13 23-0113			Crosses, Schedule 40 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0067)</small>		
33 11 13 23-0114	EA		3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	36.89	14.55
33 11 13 23-0115	EA		1" Cross, Schedule 40 Polyvinyl Chloride (PVC)	46.27	18.26
33 11 13 23-0116	EA		1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	64.26	25.24
33 11 13 23-0117	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	72.10	28.11
33 11 13 23-0118	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC)	85.88	31.98
33 11 13 23-0119	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC)	99.87	36.59
33 11 13 23-0120	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC)	123.84	45.02
33 11 13 23-0121	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC)	189.91	57.27
33 11 13 23-0122			Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings <small>(33 11 13 23)</small>		
33 11 13 23-0123			Schedule 80 Polyvinyl Chloride (PVC) Pipe <small>(33 11 13 23-0122)</small>		
33 11 13 23-0124	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.18	0.65
			<i>For >1,000, Deduct</i>	-0.11	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.14	
33 11 13 23-0125	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	2.86	0.79
			<i>For >1,000, Deduct</i>	-0.14	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.22	
33 11 13 23-0126	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.50	0.88
			<i>For >1,000, Deduct</i>	-0.18	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.33	
33 11 13 23-0127	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.43	1.00
			<i>For >1,000, Deduct</i>	-0.22	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.48	
33 11 13 23-0128	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.43	1.14
			<i>For >1,000, Deduct</i>	-0.27	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.64	
33 11 13 23-0129	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.29	1.41
			<i>For >1,000, Deduct</i>	-0.36	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.94	
33 11 13 23-0130	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	11.64	1.79
			<i>For >1,000, Deduct</i>	-0.58	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.79	
33 11 13 23-0131			90 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0132	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	23.87	9.09
33 11 13 23-0133	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	32.21	12.58
33 11 13 23-0134	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	36.92	14.09
33 11 13 23-0135	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC)	44.30	15.99
33 11 13 23-0136	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	50.59	18.33
33 11 13 23-0137	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	63.68	22.52
33 11 13 23-0138	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	92.48	28.60
33 11 13 23-0139			45 Degree Elbows, Schedule 80 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0122)</small>		
33 11 13 23-0140	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	26.64	9.09
33 11 13 23-0141	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	34.87	12.58
33 11 13 23-0142	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	39.48	14.09
33 11 13 23-0143	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	49.11	15.99
33 11 13 23-0144	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	56.85	18.33
33 11 13 23-0145	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	76.27	22.52
33 11 13 23-0146	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	91.64	28.60

33 Utilities

33 10 Water Utilities

33 11 Water Utility Distribution Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0147			Tees Or Wyes, Schedule 80 Polyvinyl Chloride (PVC) (33 11 13 23-0122)		
33 11 13 23-0148	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	36.17	13.72
33 11 13 23-0149	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	52.51	18.94
33 11 13 23-0150	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	59.21	21.07
33 11 13 23-0151	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	67.15	24.02
33 11 13 23-0152	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	77.53	27.43
33 11 13 23-0153	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	94.78	33.80
33 11 13 23-0154	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	142.52	42.97
33 11 13 23-0155			Couplings, Schedule 80 Polyvinyl Chloride (PVC) (33 11 13 23-0122)		
33 11 13 23-0156	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	17.59	6.52
33 11 13 23-0157	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	25.79	9.48
33 11 13 23-0158	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	28.67	10.53
33 11 13 23-0159	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	35.65	11.98
33 11 13 23-0160	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	40.78	13.71
33 11 13 23-0161	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	50.34	16.87
33 11 13 23-0162	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	71.10	21.49
33 11 13 23-0163			Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 11 13 23-0122)		
33 11 13 23-0164	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross	48.15	18.26
33 11 13 23-0165	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	69.97	25.24
33 11 13 23-0166	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross	78.91	28.11
33 11 13 23-0167	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	89.49	31.98
33 11 13 23-0168	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross	103.32	36.59
33 11 13 23-0169	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross	126.33	45.02
33 11 13 23-0170	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross	189.82	57.27
33 11 13 23-0171			AWWA C900 / C905 Polyvinyl Chloride (PVC) Pipe (33 11 13 23)		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.					
33 11 13 23-0172			AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0173	LF		4" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	12.79	6.37
33 11 13 23-0174	LF		6" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	16.43	7.38
33 11 13 23-0175	LF		8" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	21.21	8.56
33 11 13 23-0176	LF		10" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	25.24	8.98
33 11 13 23-0177	LF		12" AWWA C900, DR 25, PR 100 Polyvinyl Chloride (PVC) Pipe	30.10	9.32
33 11 13 23-0178			AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0179	LF		4" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	13.47	6.37
33 11 13 23-0180	LF		6" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	17.83	7.38
33 11 13 23-0181	LF		8" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	23.57	8.56
33 11 13 23-0182	LF		10" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	28.90	8.98
33 11 13 23-0183	LF		12" AWWA C900, DR 18, PR 150 Polyvinyl Chloride (PVC) Pipe	35.21	9.32
33 11 13 23-0184			AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0185	LF		4" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	14.13	6.37
33 11 13 23-0186	LF		6" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	19.21	7.38
33 11 13 23-0187	LF		8" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	25.93	8.56
33 11 13 23-0188	LF		10" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	32.49	8.98
33 11 13 23-0189	LF		12" AWWA C900, DR 14, PR 200 Polyvinyl Chloride (PVC) Pipe	40.32	9.32
33 11 13 23-0190			AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0191	LF		18" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	35.68	11.75
33 11 13 23-0192	LF		20" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	41.14	12.76
33 11 13 23-0193	LF		24" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	51.38	14.10
33 11 13 23-0194	LF		30" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	72.17	17.21
33 11 13 23-0195	LF		36" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	93.41	18.22
33 11 13 23-0196	LF		42" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	115.76	19.72
33 11 13 23-0197	LF		48" AWWA C905, DR 51, PR 80 Polyvinyl Chloride (PVC) Pipe	145.03	22.16
33 11 13 23-0198			AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0199	LF		14" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	28.68	10.08
33 11 13 23-0200	LF		16" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	33.88	10.91
33 11 13 23-0201	LF		18" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	39.22	11.75
33 11 13 23-0202	LF		20" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	45.74	12.76
33 11 13 23-0203	LF		24" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	58.47	14.10
33 11 13 23-0204	LF		30" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	82.35	17.21
33 11 13 23-0205	LF		36" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	107.04	18.22
33 11 13 23-0206	LF		42" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	138.43	19.72
33 11 13 23-0207	LF		48" AWWA C905, DR 41, PR 100 Polyvinyl Chloride (PVC) Pipe	174.45	22.16



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0208 AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0209 LF 14" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	31.41	10.08
33 11 13 23-0210 LF 16" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	37.67	10.91
33 11 13 23-0211 LF 18" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	43.92	11.75
33 11 13 23-0212 LF 20" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	51.84	12.76
33 11 13 23-0213 LF 24" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	67.23	14.10
33 11 13 23-0214 LF 30" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	95.51	17.21
33 11 13 23-0215 LF 36" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	126.25	18.22
33 11 13 23-0216 LF 42" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	161.19	19.72
33 11 13 23-0217 LF 48" AWWA C905, DR 32.5, PR 125 Polyvinyl Chloride (PVC) Pipe	204.14	22.16
33 11 13 23-0218 AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0219 LF 14" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	36.07	10.08
33 11 13 23-0220 LF 16" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	43.21	10.91
33 11 13 23-0221 LF 18" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	51.05	11.75
33 11 13 23-0222 LF 20" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	60.45	12.76
33 11 13 23-0223 LF 24" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	79.65	14.10
33 11 13 23-0224 LF 30" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	114.99	17.21
33 11 13 23-0225 LF 36" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	156.21	18.22
33 11 13 23-0226 LF 42" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	205.12	19.72
33 11 13 23-0227 LF 48" AWWA C905, DR 25, PR 165 Polyvinyl Chloride (PVC) Pipe	263.09	22.16
33 11 13 23-0228 AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0229 LF 14" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	39.57	10.08
33 11 13 23-0230 LF 16" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	47.76	10.91
33 11 13 23-0231 LF 18" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	56.80	11.75
33 11 13 23-0232 LF 20" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	67.61	12.76
33 11 13 23-0233 LF 24" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	89.94	14.10
33 11 13 23-0234 LF 30" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	130.83	17.21
33 11 13 23-0235 LF 36" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	179.35	18.22
33 11 13 23-0236 LF 42" AWWA C905, DR 21, PR 200 Polyvinyl Chloride (PVC) Pipe	236.85	19.72
33 11 13 23-0237 AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe (33 11 13 23-0171)		
33 11 13 23-0238 LF 14" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	42.98	10.08
33 11 13 23-0239 LF 16" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	52.20	10.91
33 11 13 23-0240 LF 18" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	62.39	11.75
33 11 13 23-0241 LF 20" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	74.58	12.76
33 11 13 23-0242 LF 24" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	99.96	14.10
33 11 13 23-0243 LF 30" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	146.25	17.21
33 11 13 23-0244 LF 36" AWWA C905, DR 18, PR 235 Polyvinyl Chloride (PVC) Pipe	201.88	18.22
33 11 13 23-0245 AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) Fittings (33 11 13 23)		
Note: Includes rubber gaskets.		
33 11 13 23-0246 90 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11 13 23-0247 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	103.06	9.09
For DR 25, Deduct	-5.09	
33 11 13 23-0248 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	205.72	10.24
For DR 25, Deduct	-11.12	
33 11 13 23-0249 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	306.49	11.37
For DR 25, Deduct	-17.03	
33 11 13 23-0250 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	468.26	17.94
For DR 25, Deduct	-25.94	
33 11 13 23-0251 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	531.48	29.91
For DR 25, Deduct	-28.30	
33 11 13 23-0252 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	916.59	37.39
For DR 25, Deduct	-50.51	
33 11 13 23-0253 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,093.99	44.87
For DR 25, Deduct	-60.25	
33 11 13 23-0254 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,866.61	59.83
For DR 25, Deduct	-104.82	
33 11 13 23-0255 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,298.56	74.78
For DR 25, Deduct	-128.94	
33 11 13 23-0256 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,801.23	100.95
For DR 25, Deduct	-215.96	
33 11 13 23-0257 45 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11 13 23-0258 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	91.97	9.09
For DR 25, Deduct	-4.43	
33 11 13 23-0259 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	155.46	10.24
For DR 25, Deduct	-8.10	
33 11 13 23-0260 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	195.99	11.37
For DR 25, Deduct	-10.40	

33	Utilities
33 10	Water Utilities
33 11	Water Utility Distribution Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11	13 23-0261	EA	10" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	278.25	17.94
			<i>For DR 25, Deduct</i>	-14.54	
33 11	13 23-0262	EA	12" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	375.68	29.91
			<i>For DR 25, Deduct</i>	-18.95	
33 11	13 23-0263	EA	14" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	709.77	37.39
			<i>For DR 25, Deduct</i>	-38.10	
33 11	13 23-0264	EA	16" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	898.05	44.87
			<i>For DR 25, Deduct</i>	-48.50	
33 11	13 23-0265	EA	18" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,539.01	59.83
			<i>For DR 25, Deduct</i>	-85.16	
33 11	13 23-0266	EA	20" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,911.82	74.78
			<i>For DR 25, Deduct</i>	-105.74	
33 11	13 23-0267	EA	24" 45 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,695.13	100.95
			<i>For DR 25, Deduct</i>	-149.59	
33 11	13 23-0268		22-1/2 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11	13 23-0269	EA	4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	90.63	9.09
			<i>For DR 25, Deduct</i>	-4.35	
33 11	13 23-0270	EA	6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	155.46	10.24
			<i>For DR 25, Deduct</i>	-8.10	
33 11	13 23-0271	EA	8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	196.00	11.37
			<i>For DR 25, Deduct</i>	-10.40	
33 11	13 23-0272	EA	10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	278.26	17.94
			<i>For DR 25, Deduct</i>	-14.54	
33 11	13 23-0273	EA	12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	375.69	29.91
			<i>For DR 25, Deduct</i>	-18.95	
33 11	13 23-0274	EA	14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	706.76	35.90
			<i>For DR 25, Deduct</i>	-38.10	
33 11	13 23-0275	EA	16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	898.03	44.87
			<i>For DR 25, Deduct</i>	-48.50	
33 11	13 23-0276	EA	18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,539.01	59.83
			<i>For DR 25, Deduct</i>	-85.16	
33 11	13 23-0277	EA	20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,911.82	74.78
			<i>For DR 25, Deduct</i>	-105.74	
33 11	13 23-0278	EA	24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,695.13	100.95
			<i>For DR 25, Deduct</i>	-149.59	
33 11	13 23-0279		11-1/4 Degree Elbows, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11	13 23-0280	EA	4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	80.71	9.09
			<i>For DR 25, Deduct</i>	-3.75	
33 11	13 23-0281	EA	6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	155.46	10.24
			<i>For DR 25, Deduct</i>	-8.10	
33 11	13 23-0282	EA	8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	196.00	11.37
			<i>For DR 25, Deduct</i>	-10.40	
33 11	13 23-0283	EA	10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	278.26	17.94
			<i>For DR 25, Deduct</i>	-14.54	
33 11	13 23-0284	EA	12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	375.69	29.91
			<i>For DR 25, Deduct</i>	-18.95	
33 11	13 23-0285	EA	14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	706.76	35.90
			<i>For DR 25, Deduct</i>	-38.10	
33 11	13 23-0286	EA	16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	898.03	44.87
			<i>For DR 25, Deduct</i>	-48.50	
33 11	13 23-0287	EA	18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,539.01	59.83
			<i>For DR 25, Deduct</i>	-85.16	
33 11	13 23-0288	EA	20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,911.82	74.78
			<i>For DR 25, Deduct</i>	-105.74	
33 11	13 23-0289	EA	24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,695.13	100.95
			<i>For DR 25, Deduct</i>	-149.59	
33 11	13 23-0290		Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11	13 23-0291	EA	4" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	122.12	10.24
			<i>For DR 25, Deduct</i>	-6.10	
33 11	13 23-0292	EA	6" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	230.56	11.37
			<i>For DR 25, Deduct</i>	-12.47	
33 11	13 23-0293	EA	8" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	319.85	12.89
			<i>For DR 25, Deduct</i>	-17.64	
33 11	13 23-0294	EA	10" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	656.68	22.44
			<i>For DR 25, Deduct</i>	-36.71	
33 11	13 23-0295	EA	12" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	812.39	44.87
			<i>For DR 25, Deduct</i>	-43.36	
33 11	13 23-0296	EA	14" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,451.69	56.09
			<i>For DR 25, Deduct</i>	-80.37	
33 11	13 23-0297	EA	16" Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,796.73	67.31
			<i>For DR 25, Deduct</i>	-99.73	
33 11	13 23-0298	EA	18" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,270.04	89.73
			<i>For DR 25, Deduct</i>	-125.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0299 EA 20" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,728.77	112.17
For DR 25, Deduct	-150.27	
33 11 13 23-0300 EA 24" Tee, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,695.47	76.28
For DR 25, Deduct	-212.58	
33 11 13 23-0301 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0302 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	231.75	14.78
For DR 25, Deduct	-12.13	
33 11 13 23-0303 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	312.59	15.92
For DR 25, Deduct	-16.85	
33 11 13 23-0304 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	320.52	16.48
For DR 25, Deduct	-17.25	
33 11 13 23-0305 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	3,099.53	22.44
For DR 25, Deduct	-183.28	
33 11 13 23-0306 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	559.35	23.00
For DR 25, Deduct	-30.80	
33 11 13 23-0307 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	597.73	23.55
For DR 25, Deduct	-33.04	
33 11 13 23-0308 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	639.57	34.40
For DR 25, Deduct	-34.25	
33 11 13 23-0309 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	731.34	34.96
For DR 25, Deduct	-39.69	
33 11 13 23-0310 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	774.90	35.52
For DR 25, Deduct	-42.23	
33 11 13 23-0311 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	791.17	38.89
For DR 25, Deduct	-42.80	
33 11 13 23-0312 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,189.92	40.38
For DR 25, Deduct	-66.55	
33 11 13 23-0313 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,237.13	40.94
For DR 25, Deduct	-69.31	
33 11 13 23-0314 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,284.45	41.51
For DR 25, Deduct	-72.09	
33 11 13 23-0315 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,337.09	44.87
For DR 25, Deduct	-74.84	
33 11 13 23-0316 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,395.17	50.85
For DR 25, Deduct	-77.61	
33 11 13 23-0317 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,484.35	49.35
For DR 25, Deduct	-83.14	
33 11 13 23-0318 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,530.41	49.35
For DR 25, Deduct	-85.90	
33 11 13 23-0319 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,577.61	49.92
For DR 25, Deduct	-88.67	
33 11 13 23-0320 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,624.81	50.48
For DR 25, Deduct	-91.43	
33 11 13 23-0321 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,689.58	59.83
For DR 25, Deduct	-94.20	
33 11 13 23-0322 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,741.64	62.82
For DR 25, Deduct	-96.96	
33 11 13 23-0323 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,836.46	64.31
For DR 25, Deduct	-102.47	
33 11 13 23-0324 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,883.99	64.87
For DR 25, Deduct	-105.25	
33 11 13 23-0325 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,931.19	65.44
For DR 25, Deduct	-108.02	
33 11 13 23-0326 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	1,983.99	68.80
For DR 25, Deduct	-110.78	
33 11 13 23-0327 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,042.02	74.78
For DR 25, Deduct	-113.55	
33 11 13 23-0328 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,093.77	77.77
For DR 25, Deduct	-116.29	
33 11 13 23-0329 EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,159.96	82.25
For DR 25, Deduct	-119.73	
33 11 13 23-0330 EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,327.78	79.27
For DR 25, Deduct	-130.15	
33 11 13 23-0331 EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,407.58	79.83
For DR 25, Deduct	-134.88	
33 11 13 23-0332 EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,439.20	80.39
For DR 25, Deduct	-136.71	
33 11 13 23-0333 EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,476.47	83.76
For DR 25, Deduct	-138.54	
33 11 13 23-0334 EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,518.96	89.73
For DR 25, Deduct	-140.37	
33 11 13 23-0335 EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,574.41	92.73
For DR 25, Deduct	-143.34	
33 11 13 23-0336 EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,632.86	97.21
For DR 25, Deduct	-146.31	
33 11 13 23-0337 EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,680.81	104.69
For DR 25, Deduct	-148.29	
33 11 13 23-0338 EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,748.31	105.44
For DR 25, Deduct	-152.25	
33 11 13 23-0339 EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)	2,782.43	106.01
For DR 25, Deduct	-154.23	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0340 EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,816.56	106.56
For DR 25, Deduct	-156.21	
33 11 13 23-0341 EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,957.50	109.92
For DR 25, Deduct	-164.26	
33 11 13 23-0342 EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,103.66	115.91
For DR 25, Deduct	-172.31	
33 11 13 23-0343 EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,243.86	118.91
For DR 25, Deduct	-180.36	
33 11 13 23-0344 EA 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,387.04	123.39
For DR 25, Deduct	-188.42	
33 11 13 23-0345 EA 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,536.22	130.87
For DR 25, Deduct	-196.47	
33 11 13 23-0346 EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,685.39	138.34
For DR 25, Deduct	-204.52	
33 11 13 23-0347 Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11 13 23-0348 EA 4" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	171.92	18.19
For DR 25, Deduct	-8.13	
33 11 13 23-0349 EA 6" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	301.05	20.46
For DR 25, Deduct	-15.61	
33 11 13 23-0350 EA 8" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	413.25	22.74
For DR 25, Deduct	-22.07	
33 11 13 23-0351 EA 10" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	836.24	35.90
For DR 25, Deduct	-45.87	
33 11 13 23-0352 EA 12" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	993.24	44.87
For DR 25, Deduct	-54.21	
33 11 13 23-0353 EA 14" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,794.15	59.83
For DR 25, Deduct	-100.47	
33 11 13 23-0354 EA 16" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,226.83	74.78
For DR 25, Deduct	-124.64	
33 11 13 23-0355 EA 18" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,852.89	119.65
For DR 25, Deduct	-156.82	
33 11 13 23-0356 EA 20" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	3,429.71	149.56
For DR 25, Deduct	-187.83	
33 11 13 23-0357 EA 24" Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	4,832.20	201.91
For DR 25, Deduct	-265.70	
33 11 13 23-0358 Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) (33 11 13 23-0245)		
33 11 13 23-0359 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	291.60	19.33
For DR 25, Deduct	-15.18	
33 11 13 23-0360 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	392.30	20.46
For DR 25, Deduct	-21.08	
33 11 13 23-0361 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	402.73	21.59
For DR 25, Deduct	-21.57	
33 11 13 23-0362 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	600.28	26.92
For DR 25, Deduct	-32.79	
33 11 13 23-0363 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	697.87	28.04
For DR 25, Deduct	-38.51	
33 11 13 23-0364 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	765.61	29.16
For DR 25, Deduct	-42.44	
33 11 13 23-0365 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	791.46	38.89
For DR 25, Deduct	-42.82	
33 11 13 23-0366 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	906.76	40.00
For DR 25, Deduct	-49.60	
33 11 13 23-0367 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	962.05	41.13
For DR 25, Deduct	-52.79	
33 11 13 23-0368 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	987.40	47.86
For DR 25, Deduct	-53.50	
33 11 13 23-0369 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,476.18	44.87
For DR 25, Deduct	-83.19	
33 11 13 23-0370 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,535.85	45.99
For DR 25, Deduct	-86.63	
33 11 13 23-0371 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,596.15	47.11
For DR 25, Deduct	-90.12	
33 11 13 23-0372 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,667.44	53.84
For DR 25, Deduct	-93.59	
33 11 13 23-0373 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,748.75	65.80
For DR 25, Deduct	-97.03	
33 11 13 23-0374 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,839.45	53.84
For DR 25, Deduct	-103.91	
33 11 13 23-0375 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,899.88	54.96
For DR 25, Deduct	-107.40	
33 11 13 23-0376 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	1,959.70	56.09
For DR 25, Deduct	-110.85	
33 11 13 23-0377 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,030.92	62.82
For DR 25, Deduct	-114.32	
33 11 13 23-0378 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,071.21	74.78
For DR 25, Deduct	-115.30	
33 11 13 23-0379 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC).....	2,181.70	80.76
For DR 25, Deduct	-121.21	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0380	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,272.68 -128.11	68.80
33 11 13 23-0381	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,332.99 -131.59	69.92
33 11 13 23-0382	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,392.89 -135.05	71.05
33 11 13 23-0383	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,463.26 -138.46	77.77
33 11 13 23-0384	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,545.25 -141.95	89.73
33 11 13 23-0385	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,614.60 -145.39	95.72
33 11 13 23-0386	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,703.96 -149.67	104.69
33 11 13 23-0387	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,879.33 -162.71	83.76
33 11 13 23-0388	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,979.76 -168.60	84.88
33 11 13 23-0389	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,020.42 -170.91	85.99
33 11 13 23-0390	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,071.88 -173.19	92.73
33 11 13 23-0391	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,133.82 -175.47	104.69
33 11 13 23-0392	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,207.19 -179.15	110.68
33 11 13 23-0393	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,287.78 -182.91	119.65
33 11 13 23-0394	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,358.83 -185.38	134.61
33 11 13 23-0395	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,373.31 -189.21	109.92
33 11 13 23-0396	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,435.33 -192.79	111.05
33 11 13 23-0397	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,479.00 -195.28	112.17
33 11 13 23-0398	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,660.03 -205.33	118.91
33 11 13 23-0399	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	3,851.59 -215.39	130.87
33 11 13 23-0400	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,031.16 -225.45	136.85
33 11 13 23-0401	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,217.42 -235.55	145.82
33 11 13 23-0402	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,414.57 -245.58	160.78
33 11 13 23-0403	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	4,612.45 -255.66	175.74
33 11 13 23-0404		Couplings, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0405	EA	4" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	63.90 -2.74	9.09
33 11 13 23-0406	EA	6" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	114.80 -5.66	10.24
33 11 13 23-0407	EA	8" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	137.58 -6.89	11.37
33 11 13 23-0408	EA	10" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	196.55 -9.64	17.94
33 11 13 23-0409	EA	12" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	308.84 -15.84	22.44
33 11 13 23-0410	EA	14" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	530.21 -28.22	29.91
33 11 13 23-0411	EA	16" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	629.31 -33.27	37.39
33 11 13 23-0412	EA	18" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,488.04 -82.10	59.83
33 11 13 23-0413	EA	20" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	1,673.00 -91.41	74.78
33 11 13 23-0414	EA	24" Coupling, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	2,352.92 -129.06	100.95
33 11 13 23-0415		Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <small>(33 11 13 23-0245)</small>		
33 11 13 23-0416	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	77.81 -3.58	9.09
33 11 13 23-0417	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	104.36 -5.03	10.24
33 11 13 23-0418	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	149.48 -7.60	11.37
33 11 13 23-0419	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC)..... <i>For DR 25, Deduct</i>	205.83 -10.20	17.94

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 23-0420 EA 12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	330.56 -16.24	29.91
33 11 13 23-0421 EA 14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	850.29 -46.71	35.90
33 11 13 23-0422 EA 16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,148.68 -63.54	44.87
33 11 13 23-0423 EA 18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,418.18 -77.91	59.83
33 11 13 23-0424 EA 20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	1,696.39 -92.81	74.78
33 11 13 23-0425 EA 24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PR 150 Polyvinyl Chloride (PVC) <i>For DR 25, Deduct</i>	2,304.10 -126.13	100.95
33 11 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 11 13) See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
33 11 13 36 Steel Public Water Utility Distribution Piping (33 11 13)		
33 11 13 36-0001 Steel Piping (33 11 13 36)		
33 11 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 11 13 36-0001) Note: ASTM A252 steel pipe.		
33 11 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 11 13 36-0002)		
33 11 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	43.11 -2.16	19.88
33 11 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	47.25 -2.36	19.88
33 11 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	49.13 -2.46	21.69
33 11 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	54.36 -2.72	21.69
33 11 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	55.57 -2.78	22.73
33 11 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	59.63 -2.98	22.73
33 11 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	85.00 -4.25	25.12
33 11 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	67.91 -3.40	25.12
33 11 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	68.46 -3.42	26.51
33 11 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	70.97 -3.55	26.51
33 11 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	81.50 -4.08	29.83
33 11 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	85.62 -4.28	29.83
33 11 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 11 13 36-0002)		
33 11 13 36-0017 LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	70.49 -3.52	37.75
33 11 13 36-0018 LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	81.34 -4.07	41.53
33 11 13 36-0019 LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	88.62 -4.43	43.42
33 11 13 36-0020 LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	99.87 -4.99	49.07
33 11 13 36-0021 LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	102.66 -5.13	49.07
33 11 13 36-0022 LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	105.24 -5.26	49.07
33 11 13 36-0023 LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	108.21 -5.41	49.07
33 11 13 36-0024 LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	124.82 -6.24	56.63
33 11 13 36-0025 LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	134.02 -6.70	56.63
33 11 13 36-0026 LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	156.60 -7.83	56.63
33 11 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	151.90 -7.60	66.07
33 11 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	155.66 -7.78	66.07
33 11 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	191.15 -9.56	66.07
33 11 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	171.41 -8.57	66.07
33 11 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	202.34 -10.12	79.28
33 11 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe <i>For >1,000, Deduct</i>	229.87 -11.49	79.28



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	222.99 -11.15	79.28
33 11 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	316.42 -15.82	88.72
33 11 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	218.26 -10.91	88.72
33 11 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	361.40 -18.07	100.04
33 11 13 36-0037 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	385.76 -19.29	113.25
33 11 13 36-0038 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	241.32 -12.07	100.04
33 11 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	417.12 -20.86	113.25
33 11 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	470.57 -23.53	132.13
33 11 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	359.08 -17.95	132.13
33 11 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	443.30 -22.17	108.30
33 11 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe..... <i>For >1,000, Deduct</i>	695.08 -34.75	108.30
33 11 13 36-0044 Flexible Couplings (Dresser Style 38) (33 11 13 36-0001)		
33 11 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	95.80	19.46
33 11 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	135.79	37.42
33 11 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	180.65	49.40
33 11 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	290.64	74.84
33 11 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	382.83	94.29
33 11 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	540.29	117.68
33 11 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	638.45	147.49
33 11 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	687.94	147.49
33 11 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	725.97	156.90
33 11 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	796.99	180.43
33 11 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	869.58	203.97
33 11 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,109.69	215.74
33 11 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,339.50	235.35
33 11 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,575.19	264.77
33 11 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	1,822.90	298.11
33 11 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,120.14	343.22
33 11 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,346.98	392.25
33 11 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	2,687.32	490.31
33 11 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,087.78	596.22
33 11 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	3,678.54	706.05
33 11 13 39 Copper Public Water Utility Distribution Piping (33 11 13)		
33 11 13 39-0001 Type K Copper Water Distribution Piping (33 11 13 39)		
33 11 13 39-0002 LF 1/2" Type K Copper Water Distribution Pipe.....	5.18	1.45
33 11 13 39-0003 LF 3/4" Type K Copper Water Distribution Pipe.....	6.88	1.63
33 11 13 39-0004 LF 1" Type K Copper Water Distribution Pipe.....	8.83	1.81
33 11 13 39-0005 LF 1-1/4" Type K Copper Water Distribution Pipe.....	10.47	2.16
33 11 13 39-0006 LF 1-1/2" Type K Copper Water Distribution Pipe.....	13.19	2.88
33 11 13 39-0007 LF 2" Type K Copper Water Distribution Pipe.....	18.35	3.60
33 11 13 39-0008 LF 2-1/2" Type K Copper Water Distribution Pipe.....	26.59	4.33
33 11 13 39-0009 LF 3" Type K Copper Water Distribution Pipe.....	34.60	4.76
33 11 13 39-0010 LF 3-1/2" Type K Copper Water Distribution Pipe.....	45.73	5.98
33 11 13 39-0011 LF 4" Type K Copper Water Distribution Pipe.....	58.38	7.57
33 11 13 39-0012 LF 5" Type K Copper Water Distribution Pipe.....	130.67	9.45
33 11 13 39-0013 LF 6" Type K Copper Water Distribution Pipe.....	182.85	11.40
33 11 13 39-0014 LF 8" Type K Copper Water Distribution Pipe.....	323.91	12.76
33 11 13 43 Public Water Utility Distribution Piping Coatings And Wraps (33 11 13)		
33 11 13 43-0001 Pipe Coatings (33 11 13 43)		
33 11 13 43-0002 Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating (33 11 13 43-0001)		
33 11 13 43-0003 LF 12" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	3.43	
33 11 13 43-0004 LF 14" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	4.56	
33 11 13 43-0005 LF 16" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.20	
33 11 13 43-0006 LF 18" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.47	
33 11 13 43-0007 LF 20" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	5.89	
33 11 13 43-0008 LF 24" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	6.86	
33 11 13 43-0009 LF 30" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	9.01	
33 11 13 43-0010 LF 36" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	14.23	
33 11 13 43-0011 LF 42" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	30.68	
33 11 13 43-0012 LF 48" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	35.07	
33 11 13 43-0013 LF 54" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	39.45	
33 11 13 43-0014 LF 60" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating.....	43.83	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
33 11 13 43-0015	LF	66" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	48.22		
33 11 13 43-0016	LF	72" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	52.58		
33 11 13 43-0017	LF	78" Outside Diameter Of Pipe, Coal Tar Epoxy, Wrapped With Kraft Paper, Pipe Coating	56.98		
33 11 13 43-0018		Cement Coating With Fiberglass Or Wire Mesh Reinforcing <small>(33 11 13 43-0001)</small>			
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".			
33 11 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh	6.21		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0020	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh	7.65		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0021	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh	9.56		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0022	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh	10.65		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0023	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh	12.03		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0024	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh	14.08		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0025	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh	15.99		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0026	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh	18.04		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0027	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh	20.05		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0028	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh	24.05		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0029	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh	30.07		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0030	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh	36.08		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0031	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh	25.10		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0032	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh	28.68		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0033	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh	32.27		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0034	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh	35.85		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0035	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh	39.44		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0036	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh	43.02		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0037	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh	46.61		
		Note: Reinforcing applied at fabrication shop.			
33 11 13 43-0038		Pipe Lining <small>(33 11 13 43)</small>			
33 11 13 43-0039		Cement Pipe Lining <small>(33 11 13 43-0038)</small>			
		Note: Shop applied.			
33 11 13 43-0040	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	9.57		
		<i>For 1/2" Thick, Add</i>	0.83		
33 11 13 43-0041	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	11.89		
		<i>For 1/2" Thick, Add</i>	1.02		
33 11 13 43-0042	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	14.51		
		<i>For 1/2" Thick, Add</i>	1.27		
33 11 13 43-0043	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	18.83		
		<i>For 1/2" Thick, Add</i>	1.59		
33 11 13 43-0044	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	23.14		
		<i>For 1/2" Thick, Add</i>	1.92		
33 11 13 43-0045	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	29.53		
		<i>For 1/2" Thick, Add</i>	2.24		
33 11 13 43-0046	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	38.18		
		<i>For 1/2" Thick, Add</i>	2.55		
33 11 13 43-0047	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	45.58		
		<i>For 1/2" Thick, Add</i>	2.44		
33 11 13 43-0048	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	54.98		
		<i>For 1/2" Thick, Add</i>	2.71		
33 11 13 43-0049	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	66.65		
		<i>For 1/2" Thick, Add</i>	3.26		
33 11 13 43-0050	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	80.26		
		<i>For 1/2" Thick, Add</i>	4.07		
33 11 13 43-0051	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	96.58		
		<i>For 1/2" Thick, Add</i>	4.89		
33 11 13 43-0052	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	112.72		
		<i>For 1/2" Thick, Add</i>	4.19		
33 11 13 43-0053	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	128.77		
		<i>For 1/2" Thick, Add</i>	4.79		
33 11 13 43-0054	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	144.89		
		<i>For 1/2" Thick, Add</i>	5.39		
33 11 13 43-0055	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	161.01		
		<i>For 1/2" Thick, Add</i>	5.99		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 43-0056 LF 66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	177.06 3.51	
33 11 13 43-0057 LF 72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	193.18 3.83	
33 11 13 43-0058 LF 78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	209.30 4.15	
33 11 13 43-0059 Cement Fitting Lining <small>(33 11 13 43-0038)</small> Note: Shop applied.		
33 11 13 43-0060 EA 4" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	9.57 0.83	
33 11 13 43-0061 EA 6" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	11.89 1.02	
33 11 13 43-0062 EA 8" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	18.46 1.66	
33 11 13 43-0063 EA 10" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	30.39 2.55	
33 11 13 43-0064 EA 12" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	46.30 3.83	
33 11 13 43-0065 EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	68.53 5.16	
33 11 13 43-0066 EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	100.96 6.62	
33 11 13 43-0067 EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining <i>For 1/2" Thick, Add</i>	136.75 7.33	
33 11 13 43-0068 EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	183.18 9.04	
33 11 13 43-0069 EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	266.62 13.03	
33 11 13 43-0070 8 Mil Polyethylene Encasement Tubing <small>(33 11 13 43)</small> Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 11 13 43-0071 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.57	
33 11 13 43-0072 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing.....	0.97	
33 11 13 43-0073 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.23	
33 11 13 43-0074 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing.....	1.57	
33 11 13 43-0075 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.20	
33 11 13 43-0076 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing.....	2.85	
33 11 13 43-0077 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing.....	3.62	
33 11 13 43-0078 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing.....	4.33	
33 11 13 43-0079 LF 54" To 60" Diameter, 8 Mil Polyethylene Encasement Tubing.....	5.40	
33 11 13 53 Public Water Utility Distribution Piping Saddles And Adapters <small>(33 11 13)</small>		
33 11 13 53-0001 Double Stud Stainless Steel Service Saddles <small>(33 11 13 53)</small> Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 11 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048004 To 048009).....	194.16	
33 11 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048010 To 048013).....	270.17	
33 11 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-048014 To 048015).....	288.04	
33 11 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069004 To 069009).....	235.07	
33 11 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-069010 To 069015).....	298.21	
33 11 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090504 To 090509).....	245.13	
33 11 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-090510 To 090515).....	311.99	
33 11 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111004 To 111009).....	277.54	
33 11 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-111010 To 111015).....	328.62	
33 11 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132004 To 132009).....	289.05	
33 11 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372-132010 To 132015).....	338.02	
33 11 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles <small>(33 11 13 53)</small> Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 11 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	160.75	
33 11 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	160.89	
33 11 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	171.05	
33 11 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	164.16	
33 11 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	175.75	
33 11 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	196.09	
33 11 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	208.75	

33 Utilities**33 10 Water Utilities****33 11 Water Utility Distribution Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 13 53-0021	EA	4"	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	187.97	
33 11 13 53-0022	EA	4"	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	207.96	
33 11 13 53-0023	EA	4"	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	217.77	
33 11 13 53-0024	EA	5"	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	199.92	
33 11 13 53-0025	EA	5"	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	221.17	
33 11 13 53-0026	EA	5"	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	230.70	
33 11 13 53-0027	EA	6"	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	210.67	
33 11 13 53-0028	EA	6"	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	231.20	
33 11 13 53-0029	EA	6"	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	241.43	
33 11 13 53-0030	EA	6"	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	340.05	
33 11 13 53-0031	EA	6"	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	382.54	
33 11 13 53-0032	EA	8"	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	233.15	
33 11 13 53-0033	EA	8"	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	254.82	
33 11 13 53-0034	EA	8"	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	265.80	
33 11 13 53-0035	EA	8"	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	447.66	
33 11 13 53-0036	EA	10"	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	260.17	
33 11 13 53-0037	EA	10"	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	291.04	
33 11 13 53-0038	EA	10"	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	504.07	
33 11 13 53-0039	EA	12"	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	285.00	
33 11 13 53-0040	EA	12"	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	317.79	
33 11 13 53-0041	EA	12"	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	328.75	
33 11 13 53-0042	EA	12"	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	567.03	
33 11 13 53-0043	EA	14"	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	336.54	
33 11 13 53-0044	EA	14"	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	370.47	
33 11 13 53-0045	EA	14"	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	393.96	
33 11 13 53-0046	EA	14"	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	708.42	
33 11 13 53-0047	EA	15"	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	347.37	
33 11 13 53-0048	EA	15"	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	400.92	
33 11 13 53-0049	EA	15"	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	417.68	
33 11 13 53-0050	EA	15"	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	763.75	
33 11 13 53-0051	EA	16"	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	370.22	
33 11 13 53-0052	EA	16"	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	439.19	
33 11 13 53-0053	EA	16"	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	456.16	
33 11 13 53-0054	EA	16"	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	818.00	
33 11 13 53-0055	EA	18"	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	405.83	
33 11 13 53-0056	EA	18"	18" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	483.47	
33 11 13 53-0057	EA	20"	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	468.60	
33 11 13 53-0058	EA	20"	20" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	520.80	
33 11 13 53-0059	EA	24"	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313).....	489.87	
33 11 13 53-0060	EA	24"	24" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	556.74	

33 11 13 53-0061 Double Bale Bronze Service Saddles (33 11 13 53)

33 11 13 53-0062	EA	4"	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	327.11	
33 11 13 53-0063	EA	4"	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	348.22	
33 11 13 53-0064	EA	6"	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	358.25	
33 11 13 53-0065	EA	6"	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	379.91	
33 11 13 53-0066	EA	8"	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	402.44	
33 11 13 53-0067	EA	8"	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	418.04	
33 11 13 53-0068	EA	10"	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	457.25	
33 11 13 53-0069	EA	10"	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	479.44	
33 11 13 53-0070	EA	12"	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	494.52	
33 11 13 53-0071	EA	12"	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	531.68	
33 11 13 53-0072	EA	14"	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	637.84	
33 11 13 53-0073	EA	14"	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	671.72	
33 11 13 53-0074	EA	16"	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	707.10	
33 11 13 53-0075	EA	16"	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	749.77	
33 11 13 53-0076	EA	18"	18" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	800.55	
33 11 13 53-0077	EA	18"	18" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	854.95	
33 11 13 53-0078	EA	20"	20" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (James Jones J-979)	979.03	
33 11 13 53-0079	EA	20"	20" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (James Jones J-979)	1,064.54	

33 11 13 53-0080 Stainless Steel Double Straps, Bronze Body Service Saddle (33 11 13 53)

Note: Taps are compression or NPT.

33 11 13 53-0081	EA	4"	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	349.06	
33 11 13 53-0082	EA	4"	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	371.68	
33 11 13 53-0083	EA	6"	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	381.90	
33 11 13 53-0084	EA	6"	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	405.14	
33 11 13 53-0085	EA	8"	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	430.37	
33 11 13 53-0086	EA	8"	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	446.82	
33 11 13 53-0087	EA	10"	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	490.73	
33 11 13 53-0088	EA	10"	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	514.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0089 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	531.46	
33 11 13 53-0090 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	572.06	
33 11 13 53-0091 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	690.97	
33 11 13 53-0092 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	727.89	
33 11 13 53-0093 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	766.50	
33 11 13 53-0094 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	813.27	
33 11 13 53-0095 EA 18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	870.14	
33 11 13 53-0096 EA 18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	930.05	
33 11 13 53-0097 EA 20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	1,069.02	
33 11 13 53-0098 EA 20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (James Jones J-969)	1,145.86	
33 11 13 53-0099 Ductile Iron Mechanical Joint Tapping Sleeve (33 11 13 53)		
33 11 13 53-0100 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,025.71	
33 11 13 53-0101 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,237.89	
33 11 13 53-0102 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,481.39	
33 11 13 53-0103 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,568.73	
33 11 13 53-0104 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,400.78	
33 11 13 53-0105 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,523.36	
33 11 13 53-0106 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,575.47	
33 11 13 53-0107 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,528.05	
33 11 13 53-0108 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,650.15	
33 11 13 53-0109 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,948.85	
33 11 13 53-0110 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,024.04	
33 11 13 53-0111 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,183.27	
33 11 13 53-0112 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,230.01	
33 11 13 53-0113 EA 14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,291.62	
33 11 13 53-0114 EA 14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,317.62	
33 11 13 53-0115 EA 14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,512.93	
33 11 13 53-0116 EA 16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,502.85	
33 11 13 53-0117 EA 16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,609.23	
33 11 13 53-0118 EA 16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,674.21	
33 11 13 53-0119 EA 16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,709.97	
33 11 13 53-0120 EA 16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,749.40	
33 11 13 53-0121 EA 16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	5,963.63	
33 11 13 53-0122 EA 16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,029.73	
33 11 13 53-0123 EA 18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,673.50	
33 11 13 53-0124 EA 18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,023.16	
33 11 13 53-0125 EA 18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,119.39	
33 11 13 53-0126 EA 18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,413.08	
33 11 13 53-0127 EA 20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,165.99	
33 11 13 53-0128 EA 20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,898.89	
33 11 13 53-0129 EA 20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,031.71	
33 11 13 53-0130 EA 20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,083.08	
33 11 13 53-0131 EA 20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,342.31	
33 11 13 53-0132 EA 20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,959.82	
33 11 13 53-0133 EA 20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,151.71	
33 11 13 53-0134 EA 24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,665.78	
33 11 13 53-0135 EA 24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,785.27	
33 11 13 53-0136 EA 24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,818.80	
33 11 13 53-0137 EA 24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,253.35	
33 11 13 53-0138 EA 24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,409.66	
33 11 13 53-0139 EA 24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,443.61	
33 11 13 53-0140 EA 24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,785.94	
33 11 13 53-0141 EA 24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,947.68	
33 11 13 53-0142 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 11 13 53)		
33 11 13 53-0143 EA 4" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	973.74	
33 11 13 53-0144 EA 6" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,019.69	
33 11 13 53-0145 EA 6" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,122.83	
33 11 13 53-0146 EA 8" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,143.47	
33 11 13 53-0147 EA 8" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,191.97	
33 11 13 53-0148 EA 8" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,389.62	
33 11 13 53-0149 EA 10" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,241.35	
33 11 13 53-0150 EA 10" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,288.45	
33 11 13 53-0151 EA 10" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,461.47	
33 11 13 53-0152 EA 10" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,091.12	
33 11 13 53-0153 EA 12" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,386.17	
33 11 13 53-0154 EA 12" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,457.92	
33 11 13 53-0155 EA 12" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,628.09	
33 11 13 53-0156 EA 12" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,251.46	
33 11 13 53-0157 EA 12" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,406.37	
33 11 13 53-0158 EA 14" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,860.15	
33 11 13 53-0159 EA 14" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,918.52	
33 11 13 53-0160 EA 14" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,290.24	



MINOR		TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION		UNIT COST	UNIT COST

33 11 13 53-0161	EA	14" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,830.98	
33 11 13 53-0162	EA	14" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,051.00	
33 11 13 53-0163	EA	16" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,224.40	
33 11 13 53-0164	EA	16" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,284.84	
33 11 13 53-0165	EA	16" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,528.97	
33 11 13 53-0166	EA	16" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,192.53	
33 11 13 53-0167	EA	16" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,344.98	
33 11 13 53-0168	EA	18" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,386.13	
33 11 13 53-0169	EA	18" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,445.53	
33 11 13 53-0170	EA	18" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,670.88	
33 11 13 53-0171	EA	18" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,388.26	
33 11 13 53-0172	EA	18" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,540.52	
33 11 13 53-0173	EA	20" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,749.56	
33 11 13 53-0174	EA	20" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,810.57	
33 11 13 53-0175	EA	20" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,168.17	
33 11 13 53-0176	EA	20" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,896.58	
33 11 13 53-0177	EA	20" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,913.54	
33 11 13 53-0178	EA	24" Diameter x 4" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	2,966.63	
33 11 13 53-0179	EA	24" Diameter x 6" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,026.93	
33 11 13 53-0180	EA	24" Diameter x 8" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	3,395.16	
33 11 13 53-0181	EA	24" Diameter x 10" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,131.95	
33 11 13 53-0182	EA	24" Diameter x 12" Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662).....	4,284.32	

33 11 13 53-0183 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 11 13 53)

33 11 13 53-0184	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,145.54	
33 11 13 53-0185	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,236.66	
33 11 13 53-0186	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,311.89	
33 11 13 53-0187	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,324.98	
33 11 13 53-0188	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,412.52	
33 11 13 53-0189	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,685.39	
33 11 13 53-0190	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,522.34	
33 11 13 53-0191	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,620.02	
33 11 13 53-0192	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,864.02	
33 11 13 53-0193	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,574.99	
33 11 13 53-0194	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,731.10	
33 11 13 53-0195	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	1,866.34	
33 11 13 53-0196	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,190.53	
33 11 13 53-0197	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,614.64	
33 11 13 53-0198	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,937.55	
33 11 13 53-0199	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,023.22	
33 11 13 53-0200	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,140.98	
33 11 13 53-0201	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,506.75	
33 11 13 53-0202	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,931.30	
33 11 13 53-0203	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,153.13	
33 11 13 53-0204	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,430.85	
33 11 13 53-0205	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,661.53	
33 11 13 53-0206	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,835.95	
33 11 13 53-0207	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,292.85	
33 11 13 53-0208	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,600.96	
33 11 13 53-0209	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,664.55	
33 11 13 53-0210	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,012.20	
33 11 13 53-0211	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,194.48	
33 11 13 53-0212	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,595.29	
33 11 13 53-0213	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,127.42	
33 11 13 53-0214	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	2,859.02	
33 11 13 53-0215	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,205.76	
33 11 13 53-0216	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,352.77	
33 11 13 53-0217	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,103.59	
33 11 13 53-0218	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,518.93	
33 11 13 53-0219	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,154.70	
33 11 13 53-0220	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,233.01	
33 11 13 53-0221	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	3,566.46	
33 11 13 53-0222	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,273.83	
33 11 13 53-0223	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663).....	4,486.09	

33 11 13 53-0224 Ductile Iron Body, Flanged Coupling Adapter (33 11 13 53)

33 11 13 53-0225	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	412.45	101.17
33 11 13 53-0226	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	477.22	101.17
33 11 13 53-0227	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	567.42	101.17
33 11 13 53-0228	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	722.36	101.17
33 11 13 53-0229	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,184.74	101.17
33 11 13 53-0230	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912).....	1,300.56	101.17

33 11 13 53-0231 Steel Body, Flanged Coupling Adapter (33 11 13 53)

33 11 13 53-0232	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	851.74	101.17
33 11 13 53-0233	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	961.00	101.17
33 11 13 53-0234	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,219.16	101.17
33 11 13 53-0235	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,477.37	101.17



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 53-0236 EA 10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	1,815.01	101.17
33 11 13 53-0237 EA 12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,107.97	101.17
33 11 13 53-0238 EA 14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	2,529.94	101.17
33 11 13 53-0239 EA 16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913).....	3,031.44	101.17
33 11 13 53-0240 Ductile Iron Body, Omni Coupling System <small>(33 11 13 53)</small>		
33 11 13 53-0241 EA 2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	97.77	30.34
33 11 13 53-0242 EA 2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	119.99	30.34
33 11 13 53-0243 EA 3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	147.50	43.61
33 11 13 53-0244 EA 4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	186.12	54.98
33 11 13 53-0245 EA 6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	249.35	75.85
33 11 13 53-0246 EA 8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	301.68	89.12
33 11 13 53-0247 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	372.39	100.49
33 11 13 53-0248 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	433.93	113.76
33 11 13 53-0249 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	597.52	125.14
33 11 13 53-0250 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	734.78	136.51
33 12 Water Utility Distribution Equipment <small>(33 10)</small>		
33 12 13 Water Service Connections <small>(33 12)</small>		
33 12 13 23 Water Service Hydrants <small>(33 12 13)</small>		
33 12 13 23-0001 Yard Hydrants <small>(33 12 13 23)</small>		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0002 EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	172.22	24.38
33 12 13 23-0003 EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	182.20	24.38
33 12 13 23-0004 EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet.....	192.19	24.38
33 12 13 23-0005 EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	218.28	30.89
33 12 13 23-0006 EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	228.22	30.89
33 12 13 23-0007 EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	238.17	30.89
33 12 13 23-0008 Sanitary Yard Hydrants <small>(33 12 13 23)</small>		
Note: With 3/4" hose thread outlet.		
33 12 13 23-0009 EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	659.66	50.81
33 12 13 23-0010 EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	690.85	50.81
33 12 13 23-0011 EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet.....	722.05	50.81
33 12 13 23-0012 Flushing Hydrants <small>(33 12 13 23)</small>		
33 12 13 23-0013 EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth.....	459.76	31.42
33 12 16 Water Utility Distribution Valves <small>(33 12)</small>		
Note: Flanged valves excludes bolt and gasket set.		
33 12 16 00-0001 Accessories For Valves <small>(33 12 16)</small>		
33 12 16 00-0002 EA 1' Valve Extension Stem.....	68.99	
For Each Additional LF, Add 4.79		
33 12 16 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	863.35	74.84
Note: Excludes valve.		
33 12 16 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	977.98	82.31
Note: Excludes valve.		
33 12 16 00-0005 EA Adjust Water Valve Box To Grade.....	74.84	
33 12 16 00-0006 Roadway Or Curb Valve Boxes <small>(33 12 16)</small>		
33 12 16 00-0007 Round Head, Cast Iron Service, Roadway Or Valve Boxes <small>(33 12 16 00-0006)</small>		
33 12 16 00-0008 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	130.19	9.88
Note: Includes cover, top section and bottom section.		
33 12 16 00-0009 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	150.20	9.88
Note: Includes cover, top section and bottom section.		
33 12 16 00-0010 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	151.12	9.88
Note: Includes cover, top section and bottom section.		
33 12 16 00-0011 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	40.44	4.94
33 12 16 00-0012 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	45.73	4.94
33 12 16 00-0013 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	53.70	4.94
33 12 16 00-0014 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	194.64	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0015 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	334.40	17.28
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0016 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	371.72	17.28
Note: Includes cover, top section, bottom section and #6 round base.		
33 12 16 00-0017 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	202.04	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0018 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	210.95	12.35
Note: Includes cover, top section and bottom section.		
33 12 16 00-0019 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	204.14	12.35
Note: Includes cover, top section and bottom section.		

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0020 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	74.30	4.94
33 12 16 00-0021 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	128.39	20.33
33 12 16 00-0022 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	132.44	21.13
33 12 16 00-0023 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	147.31	21.95
33 12 16 00-0024 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	198.61	23.17
33 12 16 00-0025 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	238.33	24.38
33 12 16 00-0026 EA 18" Cast Iron Service Box Extension Section	55.10	
33 12 16 00-0027 Plastic Roadway Grade Water Meter Box And Cover <small>(33 12 16 00-0006)</small>		
33 12 16 00-0028 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	169.83	28.45
33 12 16 00-0029 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	127.13	20.33
33 12 16 00-0030 EA Cast Iron Lid For Plastic Meter Box	36.81	
33 12 16 00-0031 Traffic Valve Box And Lid <small>(33 12 16 00-0006)</small>		
33 12 16 00-0032 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	126.08	
33 12 16 00-0033 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	379.46	
33 12 16 00-0034 Roadway Utility Box <small>(33 12 16)</small>		
33 12 16 00-0035 Utility Box <small>(33 12 16 00-0034)</small>		
Note: Christy Concrete Products.		
33 12 16 00-0036 B3 Utility Box, 9-3/8" x 15-1/2" <small>(33 12 16 00-0035)</small>		
33 12 16 00-0037 EA 9-3/8" x 15-1/2" Precast Concrete Utility Box	60.50	37.20
33 12 16 00-0038 EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	46.88	4.13
33 12 16 00-0039 EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	21.85	4.13
33 12 16 00-0040 EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	97.78	4.13
33 12 16 00-0041 EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	33.30	8.26
33 12 16 00-0042 EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	44.37	8.26
33 12 16 00-0043 B9 Utility Box, 10-1/4" x 17-1/4" <small>(33 12 16 00-0035)</small>		
33 12 16 00-0044 EA 10-1/4" x 17-1/4" Precast Concrete Utility Box	75.56	49.60
33 12 16 00-0045 EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	55.04	4.96
33 12 16 00-0046 EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	24.61	4.96
33 12 16 00-0047 EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	102.38	4.13
33 12 16 00-0048 EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	36.35	8.26
33 12 16 00-0049 EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	49.96	12.40
33 12 16 00-0050 EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	67.00	22.73
33 12 16 00-0051 B12 Utility Box, 12" x 20" <small>(33 12 16 00-0035)</small>		
33 12 16 00-0052 EA 12" x 20" Precast Concrete Utility Box	82.68	53.73
33 12 16 00-0053 EA Cast Iron Lid For 12" x 20" Utility Box	96.46	6.20
33 12 16 00-0054 EA Reinforced Concrete Lid For 12" x 20" Utility Box	34.57	8.26
33 12 16 00-0055 EA Steel Checkered Plate Cover For 12" x 20" Utility Box	140.33	8.26
33 12 16 00-0056 EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box	86.66	28.94
33 12 16 00-0057 B16 Utility Box, 12" x 22-1/4" <small>(33 12 16 00-0035)</small>		
33 12 16 00-0058 EA 12" x 22-1/4" Precast Concrete Utility Box	95.64	62.82
33 12 16 00-0059 EA Cast Iron Lid For 12" x 22-1/4" Utility Box	110.21	8.26
33 12 16 00-0060 EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	40.84	8.26
33 12 16 00-0061 EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	141.08	8.26
33 12 16 00-0062 EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	59.72	14.05
33 12 16 00-0063 EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	87.70	28.94
33 12 16 00-0064 B30 Utility Box, 13-1/4" x 24" <small>(33 12 16 00-0035)</small>		
33 12 16 00-0065 EA 13-1/4" x 24" Precast Concrete Utility Box	114.59	74.39
33 12 16 00-0066 EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box	57.05	13.22
33 12 16 00-0067 EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box	174.92	10.74
33 12 16 00-0068 EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box	59.72	14.05
33 12 16 00-0069 EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box	93.05	23.14
33 12 16 00-0070 EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	70.39	15.70
33 12 16 00-0071 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box	113.36	37.20
33 12 16 00-0072 B36 Utility Box, 17-1/4" x 30" <small>(33 12 16 00-0035)</small>		
33 12 16 00-0073 EA 17-1/4" x 30" Precast Concrete Utility Box	148.31	94.24
33 12 16 00-0074 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box	94.09	22.73
33 12 16 00-0075 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box	221.44	15.70
33 12 16 00-0076 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box	93.74	29.76
33 12 16 00-0077 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box	141.92	33.07
33 12 16 00-0078 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box	149.70	47.95



		MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0079 B40 Utility Box, 24-1/2" x 36" <small>(33 12 16 00-0035)</small>					
		EA	24-1/2" x 36" Precast Concrete Utility Box.....	282.96	145.49
		EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	250.06	54.56
		EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	316.13	23.97
		EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	210.87	51.25
		EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	223.11	53.73
33 12 16 00-0085 B48 Utility Box, 30-1/4" x 48-1/4" <small>(33 12 16 00-0035)</small>					
		EA	30-1/4" x 48-1/4" Precast Concrete Utility Box.....	374.39	165.32
		EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	359.09	90.11
		EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	430.06	90.11
		EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	503.74	41.33
		EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	342.31	111.59
		EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	284.27	75.22
33 12 16 00-0092 Water Utility Distribution Valves <small>(33 12 16)</small>					
33 12 16 00-0093 Angle Valves <small>(33 12 16 00-0092)</small>					
Note: For connecting meters to water service.					
33 12 16 00-0094 Threaded, Class 150, Bronze Angle Valve <small>(33 12 16 00-0093)</small>					
Note: Nibco T-335Y					
		EA	1/2" Threaded, Class 150, Bronze Angle Valve.....	49.33	13.01
		EA	3/4" Threaded, Class 150, Bronze Angle Valve.....	66.52	17.48
		EA	1" Threaded, Class 150, Bronze Angle Valve.....	87.17	21.55
		EA	1-1/4" Threaded, Class 150, Bronze Angle Valve.....	111.78	27.07
		EA	1-1/2" Threaded, Class 150, Bronze Angle Valve.....	136.98	31.30
		EA	2" Threaded, Class 150, Bronze Angle Valve.....	194.57	36.59
		EA	2-1/2" Threaded, Class 150, Bronze Angle Valve.....	302.22	49.92
		EA	3" Threaded, Class 150, Bronze Angle Valve.....	440.43	57.63
33 12 16 00-0103 Butterfly Valves <small>(33 12 16 00-0092)</small>					
33 12 16 00-0104 Iron Body, Iron Disc Butterfly Valve <small>(33 12 16 00-0103)</small>					
Note: AWWA C504, ANSI Class 125/150, flanged or mechanical joint connection, Buna seat material, and 304 stainless steel shaft with 8" diameter handwheel operator.					
		EA	4" Iron Body, Iron Disc Butterfly Valve.....	970.50	137.32
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	6" Iron Body, Iron Disc Butterfly Valve.....	1,097.91	146.15
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	8" Iron Body, Iron Disc Butterfly Valve.....	1,622.80	219.24
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	10" Iron Body, Iron Disc Butterfly Valve.....	1,788.99	292.31
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	12" Iron Body, Iron Disc Butterfly Valve.....	2,005.68	309.63
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	14" Iron Body, Iron Disc Butterfly Valve.....	2,613.02	408.57
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	16" Iron Body, Iron Disc Butterfly Valve.....	3,127.68	438.39
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	18" Iron Body, Iron Disc Butterfly Valve.....	3,830.33	458.56
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	20" Iron Body, Iron Disc Butterfly Valve.....	4,403.63	502.33
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	24" Iron Body, Iron Disc Butterfly Valve.....	6,138.03	618.09
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	30" Iron Body, Iron Disc Butterfly Valve.....	12,662.90	986.03
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	36" Iron Body, Iron Disc Butterfly Valve.....	16,277.87	1,970.53
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	150.00	
		EA	42" Iron Body, Iron Disc Butterfly Valve.....	20,920.66	2,295.94
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	300.00	
		EA	48" Iron Body, Iron Disc Butterfly Valve.....	30,967.10	2,603.38
			<i>For 8" Diameter Chain Wheel Actuator, Add</i>	300.00	
33 12 16 00-0119 Check Valves <small>(33 12 16 00-0092)</small>					
33 12 16 00-0120 Flanged, Swing Type Gravity Operated Check Valves <small>(33 12 16 00-0119)</small>					
Note: AWWA C508, Bronze disc facing, Mueller A-2600-6.					
		EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	619.16	101.03
		EA	3" Flanged, Swing Type Gravity Operated Check Valve.....	661.07	119.73
		EA	4" Flanged, Swing Type Gravity Operated Check Valve.....	836.83	160.90
		EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	1,156.41	183.34
		EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,247.74	209.54
		EA	6" Flanged, Swing Type Gravity Operated Check Valve.....	1,152.21	187.09
		EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	1,465.27	205.80
		EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	1,531.01	224.51
		EA	8" Flanged, Swing Type Gravity Operated Check Valve.....	1,587.80	224.51
		EA	10" Flanged, Swing Type Gravity Operated Check Valve.....	2,567.17	261.92

33 Utilities**33 10 Water Utilities****33 12 Water Utility Distribution Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0131 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	3,827.15	314.31
33 12 16 00-0132 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	5,318.71	397.36
33 12 16 00-0133 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	7,023.49	446.02
33 12 16 00-0134 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	10,072.34	494.67
33 12 16 00-0135 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	11,710.65	557.52
33 12 16 00-0136 Combination Air Release Valves (33 12 16 00-0092)		
33 12 16 00-0137 EA 1" Combination Air Release Valve.....	421.11	15.71
33 12 16 00-0138 EA 2" Combination Air Release Valve.....	679.66	26.94
33 12 16 00-0139 Corporation Stop And Curb Valve (33 12 16 00-0092) Note: AWWA C800		
33 12 16 00-0140 Ball Corporation Valves (33 12 16 00-0139) Note: Mueller B-25000.		
33 12 16 00-0141 EA 3/4" Ball Corporation Valve.....	66.13	15.71
33 12 16 00-0142 EA 1" Ball Corporation Valve.....	83.25	19.46
33 12 16 00-0143 EA 1-1/2" Ball Corporation Valve.....	151.93	28.44
33 12 16 00-0144 EA 2" Ball Corporation Valve.....	232.81	33.67
33 12 16 00-0145 Gate Valve, AWWA C500 And C509 (33 12 16 00-0092)		
33 12 16 00-0146 Gate Valve, Flanged (33 12 16 00-0145) Note: Mueller A-2380-6.		
33 12 16 00-0147 EA 2" Gate Valve, Flanged.....	395.99	79.70
33 12 16 00-0148 EA 2-1/2" Gate Valve, Flanged.....	482.32	99.90
33 12 16 00-0149 EA 3" Gate Valve, Flanged.....	576.98	119.73
33 12 16 00-0150 EA 4" Gate Valve, Flanged.....	693.44	159.40
33 12 16 00-0151 EA 6" Gate Valve, Flanged.....	875.00	187.09
33 12 16 00-0152 EA 8" Gate Valve, Flanged.....	1,231.63	224.51
33 12 16 00-0153 EA 10" Gate Valve, Flanged.....	1,767.52	261.92
33 12 16 00-0154 EA 12" Gate Valve, Flanged.....	2,130.17	314.31
33 12 16 00-0155 EA 14" Gate Valve, Flanged.....	4,380.82	397.36
33 12 16 00-0156 EA 16" Gate Valve, Flanged.....	5,684.11	446.02
33 12 16 00-0157 EA 18" Gate Valve, Flanged.....	8,834.78	494.67
33 12 16 00-0158 EA 20" Gate Valve, Flanged.....	10,535.61	557.52
33 12 16 00-0159 Resilient Wedge Gate Valve, Flanged (33 12 16 00-0145) Note: Mueller A-2360-6.		
33 12 16 00-0160 EA 2" Resilient Wedge Gate Valve, Flanged.....	382.61	79.70
33 12 16 00-0161 EA 2-1/2" Resilient Wedge Gate Valve, Flanged.....	466.33	99.90
33 12 16 00-0162 EA 3" Resilient Wedge Gate Valve, Flanged.....	558.00	120.86
33 12 16 00-0163 EA 4" Resilient Wedge Gate Valve, Flanged.....	672.23	159.40
33 12 16 00-0164 EA 6" Resilient Wedge Gate Valve, Flanged.....	846.64	187.09
33 12 16 00-0165 EA 8" Resilient Wedge Gate Valve, Flanged.....	1,187.34	224.51
33 12 16 00-0166 EA 10" Resilient Wedge Gate Valve, Flanged.....	1,697.13	261.92
33 12 16 00-0167 EA 12" Resilient Wedge Gate Valve, Flanged.....	2,045.18	314.31
33 12 16 00-0168 Gate Valve, Mechanical Joint (33 12 16 00-0145) Note: Mueller A-2380-20.		
33 12 16 00-0169 EA 2" Gate Valve, Mechanical Joint.....	429.33	79.70
33 12 16 00-0170 EA 2-1/2" Gate Valve, Mechanical Joint.....	476.87	99.90
33 12 16 00-0171 EA 3" Gate Valve, Mechanical Joint.....	595.14	120.86
33 12 16 00-0172 EA 4" Gate Valve, Mechanical Joint.....	723.06	159.40
33 12 16 00-0173 EA 6" Gate Valve, Mechanical Joint.....	897.47	187.09
33 12 16 00-0174 EA 8" Gate Valve, Mechanical Joint.....	1,263.10	224.51
33 12 16 00-0175 EA 10" Gate Valve, Mechanical Joint.....	1,789.00	261.92
33 12 16 00-0176 EA 12" Gate Valve, Mechanical Joint.....	2,227.72	314.31
33 12 16 00-0177 EA 14" Gate Valve, Mechanical Joint.....	4,646.85	397.36
33 12 16 00-0178 EA 16" Gate Valve, Mechanical Joint.....	5,956.65	446.02
33 12 16 00-0179 EA 18" Gate Valve, Mechanical Joint.....	9,321.49	494.67
33 12 16 00-0180 EA 20" Gate Valve, Mechanical Joint.....	11,062.32	557.52
33 12 16 00-0181 Resilient Wedge Gate Valve, Mechanical Joint (33 12 16 00-0145) Note: Mueller A-2360-20.		
33 12 16 00-0182 EA 2" Resilient Wedge Gate Valve, Mechanical Joint.....	414.05	79.70
33 12 16 00-0183 EA 3" Resilient Wedge Gate Valve, Mechanical Joint.....	575.13	120.86
33 12 16 00-0184 EA 4" Resilient Wedge Gate Valve, Mechanical Joint.....	700.17	159.40
33 12 16 00-0185 EA 6" Resilient Wedge Gate Valve, Mechanical Joint.....	867.86	187.09
33 12 16 00-0186 EA 8" Resilient Wedge Gate Valve, Mechanical Joint.....	1,217.03	224.51
33 12 16 00-0187 EA 10" Resilient Wedge Gate Valve, Mechanical Joint.....	1,717.39	261.92
33 12 16 00-0188 EA 12" Resilient Wedge Gate Valve, Mechanical Joint.....	2,137.19	314.31
33 12 16 00-0189 Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 12 16 00-0145) Note: Mueller A-2361.		



MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 16 00-0190	EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,267.09	397.36
33 12 16 00-0191	EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	4,659.32	446.02
33 12 16 00-0192	EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	7,156.36	494.67
33 12 16 00-0193	EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,521.52	557.52
33 12 16 00-0194	EA 24" Resilient Wedge Gate Valve, Mechanical Joint X FL.....	14,033.97	648.76
33 12 16 00-0195	Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 12 16 00-0145)		
	Note: NIBCO T-113.		
33 12 16 00-0196	EA 1/4" Gate Valve, Bronze, Threaded	32.99	13.09
33 12 16 00-0197	EA 3/8" Gate Valve, Bronze, Threaded	34.24	13.09
33 12 16 00-0198	EA 1/2" Gate Valve, Bronze, Threaded	34.67	13.09
33 12 16 00-0199	EA 3/4" Gate Valve, Bronze, Threaded	45.40	17.68
33 12 16 00-0200	EA 1" Gate Valve, Bronze, Threaded	55.59	21.38
33 12 16 00-0201	EA 1-1/4" Gate Valve, Bronze, Threaded	73.64	27.07
33 12 16 00-0202	EA 1-1/2" Gate Valve, Bronze, Threaded	85.27	31.30
33 12 16 00-0203	EA 2" Gate Valve, Bronze, Threaded	102.52	36.59
33 12 16 00-0204	EA 2-1/2" Gate Valve, Bronze, Threaded	176.80	49.92
33 12 16 00-0205	EA 3" Gate Valve, Bronze, Threaded	209.75	57.25
33 12 16 00-0206	Globe Valve, AWWA (33 12 16 00-0092)		
33 12 16 00-0207	Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 12 16 00-0206)		
	Note: NIBCO T-235.		
33 12 16 00-0208	EA 1/8" Globe Valve, Threaded.....	43.12	13.09
33 12 16 00-0209	EA 1/4" Globe Valve, Threaded.....	40.61	13.09
33 12 16 00-0210	EA 3/8" Globe Valve, Threaded.....	41.86	13.09
33 12 16 00-0211	EA 1/2" Globe Valve, Threaded.....	43.12	13.09
33 12 16 00-0212	EA 3/4" Globe Valve, Threaded.....	58.46	17.68
33 12 16 00-0213	EA 1" Globe Valve, Threaded.....	78.70	21.38
33 12 16 00-0214	EA 1-1/4" Globe Valve, Threaded	110.99	27.07
33 12 16 00-0215	EA 1-1/2" Globe Valve, Threaded	131.46	31.30
33 12 16 00-0216	EA 2" Globe Valve, Threaded.....	176.58	36.59
33 12 16 00-0217	EA 2-1/2" Globe Valve, Threaded	307.33	49.92
33 12 16 00-0218	EA 3" Globe Valve, Threaded.....	410.33	57.55
33 12 16 00-0219	Tapping Valve, AWWA C500 And C509 (33 12 16 00-0092)		
33 12 16 00-0220	Tapping Valve, AWWA C500 And C509 (33 12 16 00-0219)		
	Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 12 16 00-0221	EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	563.96	99.90
33 12 16 00-0222	EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	711.76	120.86
33 12 16 00-0223	EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	823.64	159.40
33 12 16 00-0224	EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,073.95	187.09
33 12 16 00-0225	EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,486.78	224.51
33 12 16 00-0226	EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,077.59	261.92
33 12 16 00-0227	EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,003.28	314.31
33 12 16 00-0228	EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	5,278.89	397.36
33 12 16 00-0229	EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,635.10	446.02
33 12 16 00-0230	EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,521.04	495.49
33 12 19	Water Utility Distribution Fire Hydrants (33 12)		
33 12 19 00-0001	Fire Hydrants (33 12 19)		
	Note: Breakaway type.		
33 12 19 00-0002	Three Way, Standard (Traditional) Model Fire Hydrant (33 12 19 00-0001)		
	Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0003	EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,738.76	204.62
33 12 19 00-0004	EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,769.86	204.62
33 12 19 00-0005	EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,801.04	204.62
33 12 19 00-0006	EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,846.69	219.24
33 12 19 00-0007	EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,877.82	219.24
33 12 19 00-0008	EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,927.24	237.50
33 12 19 00-0009	EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,958.32	237.50
33 12 19 00-0010	EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,007.76	255.77
33 12 19 00-0011	EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,038.89	255.77
33 12 19 00-0012	EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,088.24	274.04
33 12 19 00-0013	EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,137.63	292.31
33 12 19 00-0014	EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,205.24	328.85
33 12 19 00-0015	EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,767.14	204.62
33 12 19 00-0016	EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,807.50	204.62
33 12 19 00-0017	EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,847.76	204.62
33 12 19 00-0018	EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,902.64	219.24
33 12 19 00-0019	EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	1,942.90	219.24
33 12 19 00-0020	EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,001.57	237.50
33 12 19 00-0021	EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,041.78	237.50
33 12 19 00-0022	EA 5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,100.35	255.77
33 12 19 00-0023	EA 5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,140.60	255.77
33 12 19 00-0024	EA 6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	2,199.06	274.04

33 Utilities

33 10 Water Utilities

33 12 Water Utility Distribution Equipment



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0025 EA 6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,257.69	292.31
33 12 19 00-0026 EA 7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	2,334.42	328.85
33 12 19 00-0027 Two Way, Standard (Traditional) Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0028 EA 1-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,568.05	204.62
33 12 19 00-0029 EA 2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,599.04	204.62
33 12 19 00-0030 EA 2-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,630.21	204.62
33 12 19 00-0031 EA 3" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,675.99	219.24
33 12 19 00-0032 EA 3-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,707.02	219.24
33 12 19 00-0033 EA 4" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,756.37	237.50
33 12 19 00-0034 EA 4-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,787.50	237.50
33 12 19 00-0035 EA 5" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,836.97	255.77
33 12 19 00-0036 EA 5-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,868.03	255.77
33 12 19 00-0037 EA 6" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,917.55	274.04
33 12 19 00-0038 EA 6-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,966.74	292.31
33 12 19 00-0039 EA 7" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,034.42	328.85
33 12 19 00-0040 EA 1-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,611.89	204.62
33 12 19 00-0041 EA 2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,652.16	204.62
33 12 19 00-0042 EA 2-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,692.37	204.62
33 12 19 00-0043 EA 3" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,747.35	219.24
33 12 19 00-0044 EA 3-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,787.51	219.24
33 12 19 00-0045 EA 4" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,846.11	237.50
33 12 19 00-0046 EA 4-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,886.29	237.50
33 12 19 00-0047 EA 5" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,944.99	255.77
33 12 19 00-0048 EA 5-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	1,985.15	255.77
33 12 19 00-0049 EA 6" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,043.75	274.04
33 12 19 00-0050 EA 6-1/2" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,102.18	292.31
33 12 19 00-0051 EA 7" Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	2,179.13	328.85
33 12 19 00-0052 Three Way, Modern Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0053 EA 1-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,811.34	204.62
33 12 19 00-0054 EA 2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,851.55	204.62
33 12 19 00-0055 EA 2-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,891.88	204.62
33 12 19 00-0056 EA 3" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,946.78	219.24
33 12 19 00-0057 EA 3-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	1,987.02	219.24
33 12 19 00-0058 EA 4" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,045.54	237.50
33 12 19 00-0059 EA 4-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,085.83	237.50
33 12 19 00-0060 EA 5" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,144.37	255.77
33 12 19 00-0061 EA 5-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,184.62	255.77
33 12 19 00-0062 EA 6" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,243.15	255.77
33 12 19 00-0063 EA 6-1/2" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,301.80	292.31
33 12 19 00-0064 EA 7" Burial Section, Three Way, Modern Type Fire Hydrant.....	2,378.11	292.31
33 12 19 00-0065 Two Way, Modern Model Fire Hydrant <small>(33 12 19 00-0001)</small> Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0066 EA 1-1/2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,307.15	204.62
33 12 19 00-0067 EA 2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,337.75	204.62
33 12 19 00-0068 EA 2-1/2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,368.69	204.62
33 12 19 00-0069 EA 3" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,413.55	219.24
33 12 19 00-0070 EA 3-1/2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,444.14	219.24
33 12 19 00-0071 EA 4" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,492.99	237.50
33 12 19 00-0072 EA 4-1/2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,523.57	237.50
33 12 19 00-0073 EA 5" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,572.47	255.77
33 12 19 00-0074 EA 5-1/2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,602.97	255.77
33 12 19 00-0075 EA 6" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,651.84	274.04
33 12 19 00-0076 EA 6-1/2" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,700.74	292.31
33 12 19 00-0077 EA 7" Burial Section, Two Way, Modern Type Fire Hydrant.....	1,767.49	328.85
33 12 19 00-0078 Safetop Model With Breakable Section <small>(33 12 19 00-0001)</small> Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 12 19 00-0079 EA 4" Safetop Model Fire Hydrant Breakable With 5" Burial Section.....	1,991.35	292.31
33 12 19 00-0080 EA 6" Safetop Model Fire Hydrant Breakable With 5" Burial Section.....	2,074.69	292.31
33 12 19 00-0081 EA 8" Safetop Model Fire Hydrant Breakable With 5" Burial Section.....	2,203.18	292.31
33 12 19 00-0082 Fire Hydrant Extension Kits <small>(33 12 19 00-0001)</small>		
33 12 19 00-0083 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	282.19	18.27
33 12 19 00-0084 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	336.72	22.83
33 12 19 00-0085 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	370.42	27.41
33 12 19 00-0086 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	424.41	33.80
33 12 19 00-0087 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	620.76	35.17
33 12 19 00-0088 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	661.71	36.54
33 12 19 00-0089 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	673.39	38.37
33 12 19 00-0090 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	711.98	41.11
33 12 19 00-0091 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	790.02	49.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 12 19 00-0092 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	842.97	59.37
33 12 19 00-0093 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	313.63	20.46
33 12 19 00-0094 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	373.17	24.85
33 12 19 00-0095 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	429.76	29.96
33 12 19 00-0096 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	484.96	37.27
33 12 19 00-0097 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	648.44	38.73
33 12 19 00-0098 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	690.01	40.19
33 12 19 00-0099 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	719.89	42.39
33 12 19 00-0100 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	836.90	45.31
33 12 19 00-0101 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	923.03	54.08
33 12 19 00-0102 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	980.50	65.04
33 12 19 00-0103 Remove And Reinstall Standard Fire Hydrant (33 12 19 00-0001)		
Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 12 19 00-0104 EA Up To 5' Burial Section, Remove And Reinstall Fire Hydrant.....	584.61	
33 12 19 00-0105 EA >5' Burial Section, Remove And Reinstall Fire Hydrant.....	852.57	
33 12 19 00-0106 EA Reset Fire Hydrant Upper Barrel.....	723.64	
Note: Includes Safety Repair Kit		
33 12 33 Water Utility Metering (33 12)		
33 12 33 00-0001 Bronze Disk Type Water Service Meters (33 12 33)		
33 12 33 00-0002 EA 5/8" Diameter, 0 - 20 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	135.62	42.28
33 12 33 00-0003 EA 3/4" Diameter, 0 - 30 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	169.11	50.40
33 12 33 00-0004 EA 1" Diameter, 0 - 50 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	222.47	57.72
33 12 33 00-0005 EA 1-1/2" Diameter, 0 - 100 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	420.75	86.17
33 12 33 00-0006 EA 2" Diameter, 0 - 160 GPM, Screwed, Water Supply Meter, Disk Type, Bronze.....	568.15	112.19
33 12 33 00-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 12 33)		
33 12 33 00-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	301.19	42.28
<i>For Owner Furnished Material, Deduct</i>		
	258.40	
33 12 33 00-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	343.93	50.40
<i>For Owner Furnished Material, Deduct</i>		
	293.12	
33 12 33 00-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	507.83	57.72
<i>For Owner Furnished Material, Deduct</i>		
	449.76	
33 12 33 00-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	856.56	86.17
<i>For Owner Furnished Material, Deduct</i>		
	770.08	
33 12 33 00-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i).....	1,061.87	112.19
<i>For Owner Furnished Material, Deduct</i>		
	948.96	
33 12 33 00-0013 EA Electronic Transmitter.....	240.52	20.33
Note: For use with transmitting meter valve.		
<i>For Owner Furnished Material, Deduct</i>		
	220.19	
33 12 33 00-0014 Flanged Compound Type Water Service Meter (33 12 33)		
33 12 33 00-0015 EA 2" Diameter, 0 - 160 GPM Water Service Meter Compound Type, Flanged And Bronze.....	1,636.32	130.89
33 12 33 00-0016 EA 3" Diameter, 0 - 320 GPM Water Service Meter Compound Type, Flanged And Bronze.....	1,998.07	173.85
33 12 33 00-0017 EA 4" Diameter, 0 - 500 GPM Water Service Meter Compound Type, Flanged And Bronze.....	3,224.79	240.97
33 12 33 00-0018 EA 6" Diameter, 0 - 1,000 GPM Water Service Meter Compound Type, Flanged And Bronze.....	4,557.38	356.22
33 12 33 00-0019 EA 8" Diameter, 0 - 1,600 GPM Water Service Meter Compound Type, Flanged And Bronze.....	9,098.46	467.73
33 12 33 00-0020 EA 10" Diameter, 0 - 2,500 GPM Water Service Meter Compound Type, Flanged And Bronze.....	15,318.68	566.88
33 12 33 00-0021 Flanged Turbine Water Service Meter (33 12 33)		
33 12 33 00-0022 Vertical Turbine Meters (33 12 33 00-0021)		
33 12 33 00-0023 EA 1-1/2" Diameter, 0-100 GPM Vertical Turbine Meter, Flanged.....	473.49	103.28
33 12 33 00-0024 EA 2" Diameter, 0-160 GPM Vertical Turbine Meter, Flanged.....	648.73	130.89
33 12 33 00-0025 EA 3" Diameter, 0-350 GPM Vertical Turbine Meter, Flanged.....	1,119.16	214.11
33 12 33 00-0026 EA 4" Diameter, 0-650 GPM Vertical Turbine Meter, Flanged.....	1,621.78	296.50
33 12 33 00-0027 EA 6" Diameter, 0-1300 GPM Vertical Turbine Meter, Flanged.....	2,987.67	436.37
33 12 33 00-0028 Horizontal Turbine Meters (33 12 33 00-0021)		
33 12 33 00-0029 EA 1-1/2" Diameter, 0-120 GPM Horizontal Turbine Meter, Flanged.....	676.90	103.28
33 12 33 00-0030 EA 2" Diameter, 0-160 GPM Horizontal Turbine Meter, Flanged.....	939.11	130.89
33 12 33 00-0031 EA 3" Diameter, 0-600 GPM Horizontal Turbine Meter, Flanged.....	1,235.59	214.11
33 12 33 00-0032 EA 4" Diameter, 0-1,000 GPM Horizontal Turbine Meter, Flanged.....	1,775.67	296.50
33 12 33 00-0033 EA 6" Diameter, 0-2,000 GPM Horizontal Turbine Meter, Flanged.....	3,548.38	436.37
33 12 33 00-0034 EA 8" Diameter, 0-3,500 GPM Horizontal Turbine Meter, Flanged.....	4,750.65	572.72
33 12 33 00-0035 EA 10" Diameter, 0-5,500 GPM Horizontal Turbine Meter, Flanged.....	6,532.18	694.17
33 12 33 00-0036 EA 12" Diameter, 0-6,600 GPM Horizontal Turbine Meter, Flanged.....	7,702.64	845.65
33 13 Disinfecting of Water Utility Distribution (33 10)		
33 13 00 00-0001 Water Main Disinfection/Sterilization (33 13)		

33 Utilities**33 10 Water Utilities****33 13 Disinfecting of Water Utility Distribution**

MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

Note: Gas chlorination. Continuous or plug method.

33 13 00 00-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method.....	759.03
33 13 00 00-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	379.52
33 13 00 00-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization.....	0.28
		For >250 To 500, Deduct	-0.01
		For >500 To 1,000, Deduct	-0.03
		For >1,000 To 2,000, Deduct	-0.04
		For >2,000 To 5,000, Deduct	-0.06
		For >5,000, Deduct	-0.07
33 13 00 00-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization.....	0.44
		For >250 To 500, Deduct	-0.02
		For >500 To 1,000, Deduct	-0.04
		For >1,000 To 2,000, Deduct	-0.07
		For >2,000 To 5,000, Deduct	-0.09
		For >5,000, Deduct	-0.11
33 13 00 00-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization.....	0.57
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.06
		For >1,000 To 2,000, Deduct	-0.09
		For >2,000 To 5,000, Deduct	-0.11
		For >5,000, Deduct	-0.14
33 13 00 00-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization.....	0.67
		For >250 To 500, Deduct	-0.03
		For >500 To 1,000, Deduct	-0.07
		For >1,000 To 2,000, Deduct	-0.10
		For >2,000 To 5,000, Deduct	-0.13
		For >5,000, Deduct	-0.17
33 13 00 00-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization.....	0.87
		For >250 To 500, Deduct	-0.04
		For >500 To 1,000, Deduct	-0.09
		For >1,000 To 2,000, Deduct	-0.13
		For >2,000 To 5,000, Deduct	-0.17
		For >5,000, Deduct	-0.22
33 13 00 00-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	0.99
		For >250 To 500, Deduct	-0.05
		For >500 To 1,000, Deduct	-0.10
		For >1,000 To 2,000, Deduct	-0.15
		For >2,000 To 5,000, Deduct	-0.20
		For >5,000, Deduct	-0.25
33 13 00 00-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.14
		For >250 To 500, Deduct	-0.06
		For >500 To 1,000, Deduct	-0.11
		For >1,000 To 2,000, Deduct	-0.17
		For >2,000 To 5,000, Deduct	-0.23
		For >5,000, Deduct	-0.29
33 13 00 00-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.34
		For >250 To 500, Deduct	-0.07
		For >500 To 1,000, Deduct	-0.13
		For >1,000 To 2,000, Deduct	-0.20
		For >2,000 To 5,000, Deduct	-0.27
		For >5,000, Deduct	-0.34
33 13 00 00-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	1.73
		For >250 To 500, Deduct	-0.09
		For >500 To 1,000, Deduct	-0.17
		For >1,000 To 2,000, Deduct	-0.26
		For >2,000 To 5,000, Deduct	-0.35
		For >5,000, Deduct	-0.43
33 13 00 00-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	2.53
		For >250 To 500, Deduct	-0.13
		For >500 To 1,000, Deduct	-0.25
		For >1,000 To 2,000, Deduct	-0.38
		For >2,000 To 5,000, Deduct	-0.51
		For >5,000, Deduct	-0.63
33 13 00 00-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization.....	3.51
		For >250 To 500, Deduct	-0.18
		For >500 To 1,000, Deduct	-0.35
		For >1,000 To 2,000, Deduct	-0.53
		For >2,000 To 5,000, Deduct	-0.70
		For >5,000, Deduct	-0.88

33 20 Wells (33)**33 21 Water Supply Wells** (33 20)**33 21 13 Public Water Supply Wells** (33 21)

33 21 13 00-0001 Drill And Test Water Well (33 21 13)

33 21 13 00-0002 Drill Hole (33 21 13 00-0001)

Note: Excludes loading and hauling of spoils.

33 21 13 00-0003 Mobilization And Demobilization (33 21 13 00-0002)

33 21 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	727.49
33 21 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization	899.65
33 21 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization	1,349.48



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. <small>(33 21 13 00-0002)</small>		
Note: Excludes well casing, gravel or materials.		
33 21 13 00-0008 LF 6" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	17.44	
For >100 To 250, Add	0.44	
For >250 To 400, Add	0.87	
For >400 To 600, Add	1.31	
For >600 To 750, Add	1.74	
For >750, Add	2.18	
33 21 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	20.69	
For >100 To 250, Add	0.52	
For >250 To 400, Add	1.03	
For >400 To 600, Add	1.55	
For >600 To 750, Add	2.07	
For >750, Add	2.59	
33 21 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	27.67	
For >100 To 250, Add	0.69	
For >250 To 400, Add	1.38	
For >400 To 600, Add	2.08	
For >600 To 750, Add	2.77	
For >750, Add	3.46	
33 21 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	43.30	
For >100 To 250, Add	1.08	
For >250 To 400, Add	2.17	
For >400 To 600, Add	3.25	
For >600 To 750, Add	4.33	
For >750, Add	5.41	
33 21 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	62.31	
For >100 To 250, Add	1.56	
For >250 To 400, Add	3.12	
For >400 To 600, Add	4.67	
For >600 To 750, Add	6.23	
For >750, Add	7.79	
33 21 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	81.42	
For >100 To 250, Add	2.04	
For >250 To 400, Add	4.07	
For >400 To 600, Add	6.11	
For >600 To 750, Add	8.14	
For >750, Add	10.18	
33 21 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	96.71	
For >100 To 250, Add	2.42	
For >250 To 400, Add	4.84	
For >400 To 600, Add	7.25	
For >600 To 750, Add	9.67	
For >750, Add	12.09	
33 21 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	112.45	
For >100 To 250, Add	2.81	
For >250 To 400, Add	5.62	
For >400 To 600, Add	8.43	
For >600 To 750, Add	11.25	
For >750, Add	14.06	
33 21 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	132.14	
For >100 To 250, Add	3.30	
For >250 To 400, Add	6.61	
For >400 To 600, Add	9.91	
For >600 To 750, Add	13.21	
For >750, Add	16.52	
33 21 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	155.75	
For >100 To 250, Add	3.89	
For >250 To 400, Add	7.79	
For >400 To 600, Add	11.68	
For >600 To 750, Add	15.58	
For >750, Add	19.47	
33 21 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	168.35	
For >100 To 250, Add	4.21	
For >250 To 400, Add	8.42	
For >400 To 600, Add	12.63	
For >600 To 750, Add	16.84	
For >750, Add	21.04	
33 21 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	185.22	
For >100 To 250, Add	4.63	
For >250 To 400, Add	9.26	
For >400 To 600, Add	13.89	
For >600 To 750, Add	18.52	
For >750, Add	23.15	
33 21 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	202.87	
For >100 To 250, Add	5.07	
For >250 To 400, Add	10.14	
For >400 To 600, Add	15.22	
For >600 To 750, Add	20.29	
For >750, Add	25.36	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	252.35	
For >100 To 250, Add	6.31	
For >250 To 400, Add	12.62	
For >400 To 600, Add	18.93	
For >600 To 750, Add	25.24	
For >750, Add	31.54	
33 21 13 00-0022 Drill Hole In Sedimentary Rock <small>(33 21 13 00-0002)</small>		
33 21 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock	35.54	
For >100 To 250, Add	0.89	
For >250 To 400, Add	1.78	
For >400 To 600, Add	2.67	
For >600 To 750, Add	3.55	
For >750, Add	4.44	
33 21 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock	41.39	
For >100 To 250, Add	1.03	
For >250 To 400, Add	2.07	
For >400 To 600, Add	3.10	
For >600 To 750, Add	4.14	
For >750, Add	5.17	
33 21 13 00-0025 LF 10" Water Well Hole Drilled In Sedimentary Rock	66.25	
For >100 To 250, Add	1.66	
For >250 To 400, Add	3.31	
For >400 To 600, Add	4.97	
For >600 To 750, Add	6.63	
For >750, Add	8.28	
33 21 13 00-0026 LF 12" Water Well Hole Drilled In Sedimentary Rock	86.64	
For >100 To 250, Add	2.17	
For >250 To 400, Add	4.33	
For >400 To 600, Add	6.50	
For >600 To 750, Add	8.66	
For >750, Add	10.83	
33 21 13 00-0027 LF 14" Water Well Hole Drilled In Sedimentary Rock	124.69	
For >100 To 250, Add	3.12	
For >250 To 400, Add	6.23	
For >400 To 600, Add	9.35	
For >600 To 750, Add	12.47	
For >750, Add	15.59	
33 21 13 00-0028 LF 16" Water Well Hole Drilled In Sedimentary Rock	162.74	
For >100 To 250, Add	4.07	
For >250 To 400, Add	8.14	
For >400 To 600, Add	12.21	
For >600 To 750, Add	16.27	
For >750, Add	20.34	
33 21 13 00-0029 LF 18" Water Well Hole Drilled In Sedimentary Rock	193.51	
For >100 To 250, Add	4.84	
For >250 To 400, Add	9.68	
For >400 To 600, Add	14.51	
For >600 To 750, Add	19.35	
For >750, Add	24.19	
33 21 13 00-0030 LF 20" Water Well Hole Drilled In Sedimentary Rock	224.56	
For >100 To 250, Add	5.61	
For >250 To 400, Add	11.23	
For >400 To 600, Add	16.84	
For >600 To 750, Add	22.46	
For >750, Add	28.07	
33 21 13 00-0031 LF 22" Water Well Hole Drilled In Sedimentary Rock	264.50	
For >100 To 250, Add	6.61	
For >250 To 400, Add	13.23	
For >400 To 600, Add	19.84	
For >600 To 750, Add	26.45	
For >750, Add	33.06	
33 21 13 00-0032 LF 24" Water Well Hole Drilled In Sedimentary Rock	305.52	
For >100 To 250, Add	7.64	
For >250 To 400, Add	15.28	
For >400 To 600, Add	22.91	
For >600 To 750, Add	30.55	
For >750, Add	38.19	
33 21 13 00-0033 LF 26" Water Well Hole Drilled In Sedimentary Rock	336.69	
For >100 To 250, Add	8.42	
For >250 To 400, Add	16.83	
For >400 To 600, Add	25.25	
For >600 To 750, Add	33.67	
For >750, Add	42.09	
33 21 13 00-0034 LF 28" Water Well Hole Drilled In Sedimentary Rock	370.43	
For >100 To 250, Add	9.26	
For >250 To 400, Add	18.52	
For >400 To 600, Add	27.78	
For >600 To 750, Add	37.04	
For >750, Add	46.30	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0035 LF 30" Water Well Hole Drilled In Sedimentary Rock	405.75	
For >100 To 250, Add	10.14	
For >250 To 400, Add	20.29	
For >400 To 600, Add	30.43	
For >600 To 750, Add	40.58	
For >750, Add	50.72	
33 21 13 00-0036 LF 36" Water Well Hole Drilled In Sedimentary Rock	504.71	
For >100 To 250, Add	12.62	
For >250 To 400, Add	25.24	
For >400 To 600, Add	37.85	
For >600 To 750, Add	50.47	
For >750, Add	63.09	
33 21 13 00-0037 Drill Hole In Crystalline Rock (33 21 13 00-0002)		
33 21 13 00-0038 LF 6" Water Well Hole Drilled In Crystalline Rock.....	73.10	
For >100 To 250, Add	1.83	
For >250 To 400, Add	3.66	
For >400 To 600, Add	5.48	
For >600 To 750, Add	7.31	
For >750, Add	9.14	
33 21 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	84.34	
For >100 To 250, Add	2.11	
For >250 To 400, Add	4.22	
For >400 To 600, Add	6.33	
For >600 To 750, Add	8.43	
For >750, Add	10.54	
33 21 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	96.71	
For >100 To 250, Add	2.42	
For >250 To 400, Add	4.84	
For >400 To 600, Add	7.25	
For >600 To 750, Add	9.67	
For >750, Add	12.09	
33 21 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	122.58	
For >100 To 250, Add	3.06	
For >250 To 400, Add	6.13	
For >400 To 600, Add	9.19	
For >600 To 750, Add	12.26	
For >750, Add	15.32	
33 21 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	158.56	
For >100 To 250, Add	3.96	
For >250 To 400, Add	7.93	
For >400 To 600, Add	11.89	
For >600 To 750, Add	15.86	
For >750, Add	19.82	
33 21 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	230.54	
For >100 To 250, Add	5.76	
For >250 To 400, Add	11.53	
For >400 To 600, Add	17.29	
For >600 To 750, Add	23.05	
For >750, Add	28.82	
33 21 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	274.40	
For >100 To 250, Add	6.86	
For >250 To 400, Add	13.72	
For >400 To 600, Add	20.58	
For >600 To 750, Add	27.44	
For >750, Add	34.30	
33 21 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	318.26	
For >100 To 250, Add	7.96	
For >250 To 400, Add	15.91	
For >400 To 600, Add	23.87	
For >600 To 750, Add	31.83	
For >750, Add	39.78	
33 21 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	374.48	
For >100 To 250, Add	9.36	
For >250 To 400, Add	18.72	
For >400 To 600, Add	28.09	
For >600 To 750, Add	37.45	
For >750, Add	46.81	
33 21 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	432.96	
For >100 To 250, Add	10.82	
For >250 To 400, Add	21.65	
For >400 To 600, Add	32.47	
For >600 To 750, Add	43.30	
For >750, Add	54.12	
33 21 13 00-0048 Furnish And Install Casing (33 21 13 00-0001)		
Note: Excludes drilling of hole.		
33 21 13 00-0049 Steel Well Casing (33 21 13 00-0048)		

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21	13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	24.80	
			<i>For >100 To 250, Deduct</i>	-0.79	
			<i>For >250 To 400, Deduct</i>	-1.41	
			<i>For >400 To 600, Deduct</i>	-2.12	
			<i>For >600 To 750, Deduct</i>	-2.82	
			<i>For >750, Deduct</i>	-3.75	
33 21	13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	30.85	
			<i>For >100 To 250, Deduct</i>	-0.98	
			<i>For >250 To 400, Deduct</i>	-1.76	
			<i>For >400 To 600, Deduct</i>	-2.63	
			<i>For >600 To 750, Deduct</i>	-3.51	
			<i>For >750, Deduct</i>	-4.67	
33 21	13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	44.87	
			<i>For >100 To 250, Deduct</i>	-1.38	
			<i>For >250 To 400, Deduct</i>	-2.50	
			<i>For >400 To 600, Deduct</i>	-3.75	
			<i>For >600 To 750, Deduct</i>	-5.00	
			<i>For >750, Deduct</i>	-6.58	
33 21	13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	73.64	
			<i>For >100 To 250, Deduct</i>	-2.15	
			<i>For >250 To 400, Deduct</i>	-3.99	
			<i>For >400 To 600, Deduct</i>	-5.98	
			<i>For >600 To 750, Deduct</i>	-7.98	
			<i>For >750, Deduct</i>	-10.37	
33 21	13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	83.71	
			<i>For >100 To 250, Deduct</i>	-2.52	
			<i>For >250 To 400, Deduct</i>	-4.61	
			<i>For >400 To 600, Deduct</i>	-6.92	
			<i>For >600 To 750, Deduct</i>	-9.23	
			<i>For >750, Deduct</i>	-12.09	
33 21	13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	98.64	
			<i>For >100 To 250, Deduct</i>	-3.00	
			<i>For >250 To 400, Deduct</i>	-5.46	
			<i>For >400 To 600, Deduct</i>	-8.19	
			<i>For >600 To 750, Deduct</i>	-10.92	
			<i>For >750, Deduct</i>	-14.34	
33 21	13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	113.38	
			<i>For >100 To 250, Deduct</i>	-3.50	
			<i>For >250 To 400, Deduct</i>	-6.34	
			<i>For >400 To 600, Deduct</i>	-9.50	
			<i>For >600 To 750, Deduct</i>	-12.67	
			<i>For >750, Deduct</i>	-16.70	
33 21	13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	130.07	
			<i>For >100 To 250, Deduct</i>	-4.07	
			<i>For >250 To 400, Deduct</i>	-7.32	
			<i>For >400 To 600, Deduct</i>	-10.98	
			<i>For >600 To 750, Deduct</i>	-14.65	
			<i>For >750, Deduct</i>	-19.37	
33 21	13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	151.54	
			<i>For >100 To 250, Deduct</i>	-4.71	
			<i>For >250 To 400, Deduct</i>	-8.50	
			<i>For >400 To 600, Deduct</i>	-12.75	
			<i>For >600 To 750, Deduct</i>	-17.00	
			<i>For >750, Deduct</i>	-22.45	
33 21	13 00-0059	LB	Steel Well Casing, Furnish And Install.....	0.89	
			<i>For >100 To 250, Deduct</i>	-0.03	
			<i>For >250 To 400, Deduct</i>	-0.06	
			<i>For >400 To 600, Deduct</i>	-0.08	
			<i>For >600 To 750, Deduct</i>	-0.11	
			<i>For >750, Deduct</i>	-0.16	
33 21	13 00-0060		Stainless Steel Well Casing, Flush Threaded (33 21 13 00-0048)		
33 21	13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush.....	55.78	
			<i>For >100 To 250, Deduct</i>	-1.57	
			<i>For >250 To 400, Deduct</i>	-2.96	
			<i>For >400 To 600, Deduct</i>	-4.44	
			<i>For >600 To 750, Deduct</i>	-5.92	
			<i>For >750, Deduct</i>	-7.62	
33 21	13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush.....	83.48	
			<i>For >100 To 250, Deduct</i>	-2.30	
			<i>For >250 To 400, Deduct</i>	-4.39	
			<i>For >400 To 600, Deduct</i>	-6.58	
			<i>For >600 To 750, Deduct</i>	-8.78	
			<i>For >750, Deduct</i>	-11.25	
33 21	13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush.....	116.47	
			<i>For >100 To 250, Deduct</i>	-3.19	
			<i>For >250 To 400, Deduct</i>	-6.10	
			<i>For >400 To 600, Deduct</i>	-9.15	
			<i>For >600 To 750, Deduct</i>	-12.19	
			<i>For >750, Deduct</i>	-15.60	



Utilities	33	CS
Wells	33 20	
Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush	135.49	
For >100 To 250, Deduct	-3.71	
For >250 To 400, Deduct	-7.10	
For >400 To 600, Deduct	-10.65	
For >600 To 750, Deduct	-14.20	
For >750, Deduct	-18.17	
33 21 13 00-0065 Stainless Steel Well Casing, Welded Ring (33 21 13 00-0048)		
33 21 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded	124.66	
For >100 To 250, Deduct	-3.59	
For >250 To 400, Deduct	-6.71	
For >400 To 600, Deduct	-10.07	
For >600 To 750, Deduct	-13.42	
For >750, Deduct	-17.40	
33 21 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded	144.37	
For >100 To 250, Deduct	-4.16	
For >250 To 400, Deduct	-7.76	
For >400 To 600, Deduct	-11.65	
For >600 To 750, Deduct	-15.53	
For >750, Deduct	-20.12	
33 21 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded	173.22	
For >100 To 250, Deduct	-4.95	
For >250 To 400, Deduct	-9.28	
For >400 To 600, Deduct	-13.91	
For >600 To 750, Deduct	-18.55	
For >750, Deduct	-23.99	
33 21 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded	198.32	
For >100 To 250, Deduct	-5.66	
For >250 To 400, Deduct	-10.62	
For >400 To 600, Deduct	-15.92	
For >600 To 750, Deduct	-21.23	
For >750, Deduct	-27.45	
33 21 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded	219.19	
For >100 To 250, Deduct	-6.28	
For >250 To 400, Deduct	-11.76	
For >400 To 600, Deduct	-17.64	
For >600 To 750, Deduct	-23.52	
For >750, Deduct	-30.45	
33 21 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded	286.59	
For >100 To 250, Deduct	-8.12	
For >250 To 400, Deduct	-15.29	
For >400 To 600, Deduct	-22.93	
For >600 To 750, Deduct	-30.57	
For >750, Deduct	-39.46	
33 21 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded	377.18	
For >100 To 250, Deduct	-10.62	
For >250 To 400, Deduct	-20.05	
For >400 To 600, Deduct	-30.08	
For >600 To 750, Deduct	-40.11	
For >750, Deduct	-51.69	
33 21 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 (33 21 13 00-0048)		
33 21 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing	24.74	
For >100 To 250, Deduct	-0.76	
For >250 To 400, Deduct	-1.37	
For >400 To 600, Deduct	-2.06	
For >600 To 750, Deduct	-2.75	
For >750, Deduct	-3.61	
33 21 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing	39.24	
For >100 To 250, Deduct	-1.19	
For >250 To 400, Deduct	-2.18	
For >400 To 600, Deduct	-3.26	
For >600 To 750, Deduct	-4.35	
For >750, Deduct	-5.72	
33 21 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing	59.32	
For >100 To 250, Deduct	-1.81	
For >250 To 400, Deduct	-3.29	
For >400 To 600, Deduct	-4.94	
For >600 To 750, Deduct	-6.58	
For >750, Deduct	-8.65	
33 21 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing	70.14	
For >100 To 250, Deduct	-2.15	
For >250 To 400, Deduct	-3.90	
For >400 To 600, Deduct	-5.85	
For >600 To 750, Deduct	-7.80	
For >750, Deduct	-10.26	
33 21 13 00-0078 Furnish And Install Well Screen Assembly (33 21 13 00-0001)		
33 21 13 00-0079 Stainless Steel Well Screen (33 21 13 00-0078)		

33 Utilities**33 20 Wells****33 21 Water Supply Wells**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0080 LF 2" Stainless Steel Well Screen.....	18.08	1.36
For >100 To 250, Deduct	-0.63	
For >250 To 400, Deduct	-1.08	
For >400 To 600, Deduct	-1.62	
For >600 To 750, Deduct	-2.16	
For >750, Deduct	-2.93	
33 21 13 00-0081 LF 3" Stainless Steel Well Screen.....	28.18	1.36
For >100 To 250, Deduct	-0.89	
For >250 To 400, Deduct	-1.60	
For >400 To 600, Deduct	-2.40	
For >600 To 750, Deduct	-3.20	
For >750, Deduct	-4.24	
33 21 13 00-0082 LF 4" Stainless Steel Well Screen.....	35.41	2.05
For >100 To 250, Deduct	-1.12	
For >250 To 400, Deduct	-2.01	
For >400 To 600, Deduct	-3.01	
For >600 To 750, Deduct	-4.02	
For >750, Deduct	-5.33	
33 21 13 00-0083 LF 5" Stainless Steel Well Screen.....	44.66	2.05
For >100 To 250, Deduct	-1.40	
For >250 To 400, Deduct	-2.52	
For >400 To 600, Deduct	-3.78	
For >600 To 750, Deduct	-5.04	
For >750, Deduct	-6.66	
33 21 13 00-0084 LF 6" Stainless Steel Well Screen.....	53.80	2.73
For >100 To 250, Deduct	-1.72	
For >250 To 400, Deduct	-3.07	
For >400 To 600, Deduct	-4.60	
For >600 To 750, Deduct	-6.14	
For >750, Deduct	-8.17	
33 21 13 00-0085 LF 8" Stainless Steel Well Screen.....	70.16	3.41
For >100 To 250, Deduct	-2.24	
For >250 To 400, Deduct	-3.99	
For >400 To 600, Deduct	-5.99	
For >600 To 750, Deduct	-7.99	
For >750, Deduct	-10.61	
33 21 13 00-0086 LF 10" Stainless Steel Well Screen.....	89.25	5.47
For >100 To 250, Deduct	-2.89	
For >250 To 400, Deduct	-5.12	
For >400 To 600, Deduct	-7.68	
For >600 To 750, Deduct	-10.24	
For >750, Deduct	-13.65	
33 21 13 00-0087 LF 12" Stainless Steel Well Screen.....	104.68	6.83
For >100 To 250, Deduct	-3.38	
For >250 To 400, Deduct	-6.00	
For >400 To 600, Deduct	-9.00	
For >600 To 750, Deduct	-12.00	
For >750, Deduct	-15.99	
33 21 13 00-0088 LF 14" Stainless Steel Well Screen.....	115.16	7.52
For >100 To 250, Deduct	-3.76	
For >250 To 400, Deduct	-6.64	
For >400 To 600, Deduct	-9.96	
For >600 To 750, Deduct	-13.28	
For >750, Deduct	-17.74	
33 21 13 00-0089 LF 16" Stainless Steel Well Screen.....	124.86	8.88
For >100 To 250, Deduct	-4.11	
For >250 To 400, Deduct	-7.23	
For >400 To 600, Deduct	-10.85	
For >600 To 750, Deduct	-14.47	
For >750, Deduct	-19.37	
33 21 13 00-0090 LF 18" Stainless Steel Well Screen.....	150.05	10.24
For >100 To 250, Deduct	-4.97	
For >250 To 400, Deduct	-8.72	
For >400 To 600, Deduct	-13.08	
For >600 To 750, Deduct	-17.44	
For >750, Deduct	-23.39	
33 21 13 00-0091 LF 20" Stainless Steel Well Screen.....	189.23	12.97
For >100 To 250, Deduct	-6.26	
For >250 To 400, Deduct	-10.99	
For >400 To 600, Deduct	-16.49	
For >600 To 750, Deduct	-21.99	
For >750, Deduct	-29.48	
33 21 13 00-0092 LF 24" Stainless Steel Well Screen.....	245.59	17.08
For >100 To 250, Deduct	-8.15	
For >250 To 400, Deduct	-14.29	
For >400 To 600, Deduct	-21.43	
For >600 To 750, Deduct	-28.58	
For >750, Deduct	-38.33	
33 21 13 00-0093 LF 26" Stainless Steel Well Screen.....	282.97	19.81
For >100 To 250, Deduct	-9.35	
For >250 To 400, Deduct	-16.43	
For >400 To 600, Deduct	-24.64	
For >600 To 750, Deduct	-32.85	
For >750, Deduct	-44.02	



	Utilities	33	
	Wells	33 20	33
	Water Supply Wells	33 21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 <small>(33 21 13 00-0078)</small>		
33 21 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	8.49	
<i>For >100 To 250, Deduct</i>	-0.33	
<i>For >250 To 400, Deduct</i>	-0.54	
<i>For >400 To 600, Deduct</i>	-0.81	
<i>For >600 To 750, Deduct</i>	-1.08	
<i>For >750, Deduct</i>	-1.50	
<i>For Schedule 80, Add</i>	1.54	
33 21 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	9.57	
<i>For >100 To 250, Deduct</i>	-0.36	
<i>For >250 To 400, Deduct</i>	-0.60	
<i>For >400 To 600, Deduct</i>	-0.90	
<i>For >600 To 750, Deduct</i>	-1.21	
<i>For >750, Deduct</i>	-1.67	
<i>For Schedule 80, Add</i>	1.84	
33 21 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.25	
<i>For >100 To 250, Deduct</i>	-0.58	
<i>For >250 To 400, Deduct</i>	-0.93	
<i>For >400 To 600, Deduct</i>	-1.40	
<i>For >600 To 750, Deduct</i>	-1.87	
<i>For >750, Deduct</i>	-2.62	
<i>For Schedule 80, Add</i>	2.15	
33 21 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	19.55	
<i>For >100 To 250, Deduct</i>	-0.73	
<i>For >250 To 400, Deduct</i>	-1.22	
<i>For >400 To 600, Deduct</i>	-1.83	
<i>For >600 To 750, Deduct</i>	-2.43	
<i>For >750, Deduct</i>	-3.35	
<i>For Schedule 80, Add</i>	3.99	
33 21 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.62	
<i>For >100 To 250, Deduct</i>	-0.92	
<i>For >250 To 400, Deduct</i>	-1.53	
<i>For >400 To 600, Deduct</i>	-2.30	
<i>For >600 To 750, Deduct</i>	-3.07	
<i>For >750, Deduct</i>	-4.23	
<i>For Schedule 80, Add</i>	5.00	
33 21 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	30.54	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 400, Deduct</i>	-1.89	
<i>For >400 To 600, Deduct</i>	-2.83	
<i>For >600 To 750, Deduct</i>	-3.78	
<i>For >750, Deduct</i>	-5.19	
<i>For Schedule 80, Add</i>	6.44	
33 21 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.97	
<i>For >100 To 250, Deduct</i>	-1.36	
<i>For >250 To 400, Deduct</i>	-2.23	
<i>For >400 To 600, Deduct</i>	-3.34	
<i>For >600 To 750, Deduct</i>	-4.46	
<i>For >750, Deduct</i>	-6.20	
<i>For Schedule 80, Add</i>	6.29	
33 21 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	49.17	
<i>For >100 To 250, Deduct</i>	-1.84	
<i>For >250 To 400, Deduct</i>	-3.07	
<i>For >400 To 600, Deduct</i>	-4.61	
<i>For >600 To 750, Deduct</i>	-6.15	
<i>For >750, Deduct</i>	-8.49	
<i>For Schedule 80, Add</i>	9.82	
33 21 13 00-0103 Furnish And Install Gravel Pack Material <small>(33 21 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
33 21 13 00-0104 Artificial Gravel Pack <small>(33 21 13 00-0103)</small>		
Note: Excludes casing.		
33 21 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	12.64	
<i>For >100 To 250, Deduct</i>	-0.51	
<i>For >250 To 400, Deduct</i>	-0.83	
<i>For >400 To 600, Deduct</i>	-1.24	
<i>For >600 To 750, Deduct</i>	-1.66	
<i>For >750, Deduct</i>	-2.33	
33 21 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	18.84	
<i>For >100 To 250, Deduct</i>	-0.78	
<i>For >250 To 400, Deduct</i>	-1.25	
<i>For >400 To 600, Deduct</i>	-1.87	
<i>For >600 To 750, Deduct</i>	-2.50	
<i>For >750, Deduct</i>	-3.52	
33 21 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	26.57	
<i>For >100 To 250, Deduct</i>	-1.12	
<i>For >250 To 400, Deduct</i>	-1.79	
<i>For >400 To 600, Deduct</i>	-2.68	
<i>For >600 To 750, Deduct</i>	-3.57	
<i>For >750, Deduct</i>	-5.06	

33	Utilities
33 20	Wells
33 21	Water Supply Wells



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	33.86	
For >100 To 250, Deduct	-1.42	
For >250 To 400, Deduct	-2.26	
For >400 To 600, Deduct	-3.39	
For >600 To 750, Deduct	-4.52	
For >750, Deduct	-6.40	
33 21 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	41.53	
For >100 To 250, Deduct	-1.72	
For >250 To 400, Deduct	-2.76	
For >400 To 600, Deduct	-4.14	
For >600 To 750, Deduct	-5.51	
For >750, Deduct	-7.78	
33 21 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	53.32	
For >100 To 250, Deduct	-2.17	
For >250 To 400, Deduct	-3.51	
For >400 To 600, Deduct	-5.26	
For >600 To 750, Deduct	-7.01	
For >750, Deduct	-9.85	
33 21 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	60.99	
For >100 To 250, Deduct	-2.47	
For >250 To 400, Deduct	-4.00	
For >400 To 600, Deduct	-6.00	
For >600 To 750, Deduct	-8.00	
For >750, Deduct	-11.23	
33 21 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	72.78	
For >100 To 250, Deduct	-2.98	
For >250 To 400, Deduct	-4.80	
For >400 To 600, Deduct	-7.20	
For >600 To 750, Deduct	-9.59	
For >750, Deduct	-13.50	
33 21 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	82.53	
For >100 To 250, Deduct	-3.39	
For >250 To 400, Deduct	-5.46	
For >400 To 600, Deduct	-8.18	
For >600 To 750, Deduct	-10.91	
For >750, Deduct	-15.37	
33 21 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	88.46	
For >100 To 250, Deduct	-3.60	
For >250 To 400, Deduct	-5.81	
For >400 To 600, Deduct	-8.72	
For >600 To 750, Deduct	-11.62	
For >750, Deduct	-16.33	
33 21 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	106.05	
For >100 To 250, Deduct	-4.36	
For >250 To 400, Deduct	-7.01	
For >400 To 600, Deduct	-10.52	
For >600 To 750, Deduct	-14.02	
For >750, Deduct	-19.75	
33 21 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	123.82	
For >100 To 250, Deduct	-5.18	
For >250 To 400, Deduct	-8.27	
For >400 To 600, Deduct	-12.41	
For >600 To 750, Deduct	-16.55	
For >750, Deduct	-23.39	
33 21 13 00-0117 Develop Well <small>(33 21 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 21 13 00-0118 HR Develop Well.....	255.95	
33 21 13 00-0119 Pump Test <small>(33 21 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 21 13 00-0120 HR Pump Test Well.....	229.91	
33 21 13 00-0121 Test Well <small>(33 21 13 00-0001)</small>		
33 21 13 00-0122 VLF 2-1/2" Diameter Test Well	73.01	
33 21 13 00-0123 Surface Seal, Concrete Filled <small>(33 21 13)</small>		
33 21 13 00-0124 SF Surface Seal Well, Concrete Filled	23.80	
33 21 13 00-0125 Other Water Well <small>(33 21 13)</small>		
33 21 13 00-0126 SF Patch Hole In Well Casing	69.93	
33 21 13 00-0127 SF 1/2" Pressure Grout Well	1.81	
33 21 13 00-0128 SF 1" Pressure Grout Well	2.92	
33 21 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	4.27	
33 21 13 00-0130 Sterilization Of Well <small>(33 21 13)</small>		
33 21 13 00-0131 EA Well Sterilization, Chlorine.....	1,294.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 21 13 00-0132 Submersible Well Pumps <small>(33 21 13)</small> Note: Includes pump end, motor and control box.		
33 21 13 00-0133 4" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0134 Powder Coated Case And Cast Iron Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,095.25	341.31
33 21 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,251.64	378.29
33 21 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,388.85	420.33
33 21 13 00-0138 Stainless Steel Case And Ends <small>(33 21 13 00-0133)</small>		
33 21 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,260.28	336.26
33 21 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,440.42	378.29
33 21 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,617.17	420.33
33 21 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,864.00	462.36
33 21 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,121.00	504.39
33 21 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,628.22	588.46
33 21 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,346.80	672.52
33 21 13 00-0146 6" Submersible Well Pumps <small>(33 21 13 00-0132)</small>		
33 21 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,141.65	840.65
33 21 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	3,649.90	924.72
33 21 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,179.83	1,008.78
33 21 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,326.51	1,176.91
33 26 Relief Wells <small>(33 26)</small>		
33 26 00 00-0001 Drainage Wells <small>(33 26)</small>		
33 26 00 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner	21.43	
33 26 00 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner	25.88	
33 26 00 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner	34.11	
33 30 Sanitary Sewerage Utilities <small>(33)</small>		
33 31 Sanitary Utility Sewerage Piping <small>(33 30)</small> Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 31 00 00-0001 Cast Iron Service Saddles With U Bolt <small>(33 31)</small>		
33 31 00 00-0002 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	83.67	
33 31 00 00-0003 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	84.10	
33 31 00 00-0004 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	92.59	
33 31 00 00-0005 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	89.55	
33 31 00 00-0006 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	101.01	
33 31 00 00-0007 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	113.54	
33 31 00 00-0008 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	134.47	
33 31 00 00-0009 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	113.72	
33 31 00 00-0010 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	121.74	
33 31 00 00-0011 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	143.42	
33 31 00 00-0012 EA 2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	118.78	
33 31 00 00-0013 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	92.00	
33 31 00 00-0014 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	100.49	
33 31 00 00-0015 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	119.26	
33 31 00 00-0016 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	141.50	
33 31 00 00-0017 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	152.17	
33 31 00 00-0018 Plastic Sewer And Drain Piping <small>(33 31)</small>		
33 31 00 00-0019 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 00 00-0018)</small>		
33 31 00 00-0020 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	4.19	2.50
33 31 00 00-0021 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	5.10	3.03
33 31 00 00-0022 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.65	4.32
33 31 00 00-0023 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.74	4.70
33 31 00 00-0024 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	11.98	6.06
33 31 00 00-0025 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.65	8.11
33 31 00 00-0026 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	23.71	10.76
33 31 00 00-0027 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 00 00-0018)</small> Note: D-2729 PVC pipe.		
33 31 00 00-0028 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	7.06	4.26
33 31 00 00-0029 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	8.83	5.39
33 31 00 00-0030 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.61	8.08

33 Utilities
33 30 Sanitary Sewerage Utilities
33 31 Sanitary Utility Sewerage Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0031			Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 00 00-0018)</small>		
33 31 00 00-0032			1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0033	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.62	10.08
33 31 00 00-0034	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.13	13.04
33 31 00 00-0035	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.23	17.50
33 31 00 00-0036	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.41	20.24
33 31 00 00-0037	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	64.46	26.30
33 31 00 00-0038	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	95.83	35.39
33 31 00 00-0039	EA		10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	127.15	47.14
33 31 00 00-0040			1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0041	EA		1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.73	10.08
33 31 00 00-0042	EA		2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.12	13.04
33 31 00 00-0043	EA		3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.06	17.50
33 31 00 00-0044	EA		4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	33.58	20.24
33 31 00 00-0045	EA		6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	62.34	26.30
33 31 00 00-0046	EA		8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	90.92	35.39
33 31 00 00-0047	EA		10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	112.70	47.14
33 31 00 00-0048			Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0049	EA		1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	16.80	9.93
33 31 00 00-0050	EA		2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.93	13.04
33 31 00 00-0051	EA		3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	30.85	17.89
33 31 00 00-0052	EA		4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	40.54	21.83
33 31 00 00-0053	EA		6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	55.56	25.24
33 31 00 00-0054	EA		8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	76.51	28.80
33 31 00 00-0055	EA		10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	106.65	33.57
33 31 00 00-0056			1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0057	EA		1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	15.97	10.08
33 31 00 00-0058	EA		2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	20.38	13.04
33 31 00 00-0059	EA		3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	28.77	17.50
33 31 00 00-0060	EA		4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	34.89	20.24
33 31 00 00-0061	EA		6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	71.48	26.30
33 31 00 00-0062	EA		8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	106.07	35.39
33 31 00 00-0063	EA		10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain	129.47	47.14
33 31 00 00-0064			Reducers, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0065	EA		2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	20.49	13.04
33 31 00 00-0066	EA		3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	30.01	17.89
33 31 00 00-0067	EA		3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	29.50	17.89
33 31 00 00-0068	EA		4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	35.50	20.24
33 31 00 00-0069	EA		4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	35.74	20.24
33 31 00 00-0070	EA		6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	61.49	26.30
33 31 00 00-0071	EA		8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	96.69	31.07
33 31 00 00-0072	EA		10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	109.17	56.16
33 31 00 00-0073	EA		10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	123.15	56.16
33 31 00 00-0074	EA		10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain	117.62	56.16
33 31 00 00-0075			Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0076	EA		1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	23.71	15.24
33 31 00 00-0077	EA		2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	30.76	19.70
33 31 00 00-0078	EA		3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	42.36	26.00
33 31 00 00-0079	EA		4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	54.76	32.29
33 31 00 00-0080	EA		6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	90.10	35.39
33 31 00 00-0081	EA		8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain	118.62	47.14
33 31 00 00-0082			Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0083	EA		1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	24.59	15.24
33 31 00 00-0084	EA		2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	31.26	19.70
33 31 00 00-0085	EA		3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	43.02	26.00
33 31 00 00-0086	EA		4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	55.83	32.29
33 31 00 00-0087	EA		6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	86.10	35.39
33 31 00 00-0088	EA		8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	111.03	47.14
33 31 00 00-0089	EA		10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain	147.18	62.90
33 31 00 00-0090			Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 00 00-0031)</small>		
33 31 00 00-0091	EA		2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	25.96	15.24
33 31 00 00-0092	EA		2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain	32.60	19.70



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 31 00 00-0093 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.12	26.00
				33 31 00 00-0094 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	54.36	32.29
				33 31 00 00-0095 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	55.36	32.29
33 31 00 00-0096				Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0097 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	33.24	19.70
				33 31 00 00-0098 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	43.83	26.00
				33 31 00 00-0099 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.00	35.09
				33 31 00 00-0100 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	88.83	42.44
				33 31 00 00-0101 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	43.42	26.00
				33 31 00 00-0102 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	61.83	35.09
				33 31 00 00-0103 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	83.59	42.44
33 31 00 00-0104				Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0105 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	25.68	15.24
				33 31 00 00-0106 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.97	19.70
				33 31 00 00-0107 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	48.15	26.00
				33 31 00 00-0108 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	67.34	32.29
				33 31 00 00-0109 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	36.69	19.70
				33 31 00 00-0110 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.52	26.00
				33 31 00 00-0111 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	46.84	26.00
				33 31 00 00-0112 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	65.76	32.29
				33 31 00 00-0113 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	67.20	32.29
33 31 00 00-0114				Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0115 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.09	19.70
				33 31 00 00-0116 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	43.93	26.00
				33 31 00 00-0117 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	61.10	35.09
				33 31 00 00-0118 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	108.51	42.44
				33 31 00 00-0119 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	233.27	46.99
33 31 00 00-0120				Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0121 EA 4" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	151.74	82.64
				33 31 00 00-0122 EA 6" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	240.54	106.61
				33 31 00 00-0123 EA 8" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	325.82	150.25
				33 31 00 00-0124 EA 10" Clean Out Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain.....	495.65	241.69
33 31 00 00-0125				Couplings, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0126 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.59	10.08
				33 31 00 00-0127 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	19.88	12.96
				33 31 00 00-0128 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	27.30	17.35
				33 31 00 00-0129 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.33	20.24
				33 31 00 00-0130 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	50.63	26.30
				33 31 00 00-0131 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	85.27	35.39
				33 31 00 00-0132 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain.....	120.68	47.14
33 31 00 00-0133				Adapters, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0134 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting.....	83.00	52.54
				33 31 00 00-0135 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting.....	61.31	39.96
				33 31 00 00-0136 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting.....	61.92	39.96
				33 31 00 00-0137 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting.....	63.56	39.96
				33 31 00 00-0138 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	83.45	52.54
				33 31 00 00-0139 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	82.14	52.54
				33 31 00 00-0140 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	79.98	52.54
				33 31 00 00-0141 EA 4" Drain Grate, Drain And Sewer Fitting.....	42.06	27.02
33 31 00 00-0142				Caps, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0143 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	20.03	10.83
				33 31 00 00-0144 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	28.70	13.49
				33 31 00 00-0145 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting.....	46.44	17.43
33 31 00 00-0146				Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 00 00-0031)		
				33 31 00 00-0147 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	15.87	10.08
				33 31 00 00-0148 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	20.55	13.04
				33 31 00 00-0149 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	28.73	17.50
				33 31 00 00-0150 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	34.98	20.24
				33 31 00 00-0151 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	51.79	26.30
				33 31 00 00-0152 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	132.39	35.39

33 Utilities
33 30 Sanitary Sewerage Utilities
33 31 Sanitary Utility Sewerage Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 31 00 00-0153	Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 00 00-0153)</small>		
	Note: ASTM 3034.		
33 31 00 00-0154	LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	8.43	3.66
33 31 00 00-0155	LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	11.07	3.96
33 31 00 00-0156	LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	14.51	4.19
33 31 00 00-0157	LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	19.47	4.94
33 31 00 00-0158	LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.37	5.09
33 31 00 00-0159	LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	37.79	8.38
33 31 00 00-0160	LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	50.91	10.77
33 31 00 00-0161	LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	66.40	12.57
33 31 00 00-0162	LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	80.87	14.36
33 31 00 00-0163	LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	98.75	16.15
33 31 00 00-0164	Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 00 00-0164)</small>		
	Note: ASTM 3034.		
33 31 00 00-0165	LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	7.45	3.66
33 31 00 00-0166	LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	9.32	3.96
33 31 00 00-0167	LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	11.67	4.19
33 31 00 00-0168	Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings <small>(33 31 00 00-0168)</small>		
	Note: ASTM 3034.		
33 31 00 00-0169	1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0169)</small>		
33 31 00 00-0170	EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	48.64	18.91
33 31 00 00-0171	EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	68.14	22.00
33 31 00 00-0172	EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.82	24.94
33 31 00 00-0173	EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	341.62	29.33
33 31 00 00-0174	EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	441.10	37.39
33 31 00 00-0175	1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0175)</small>		
33 31 00 00-0176	EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	45.12	18.91
33 31 00 00-0177	EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	64.26	22.00
33 31 00 00-0178	EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	119.02	24.94
33 31 00 00-0179	EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	249.32	29.33
33 31 00 00-0180	EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	353.34	37.39
33 31 00 00-0181	EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	739.63	52.80
33 31 00 00-0182	EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,167.65	74.80
33 31 00 00-0183	EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,931.38	98.99
33 31 00 00-0184	EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,631.52	131.99
33 31 00 00-0185	Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0185)</small>		
33 31 00 00-0186	EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	73.46	28.38
33 31 00 00-0187	EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	109.04	31.45
33 31 00 00-0188	EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	121.03	33.00
33 31 00 00-0189	EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	132.38	34.54
33 31 00 00-0190	EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	149.35	36.07
33 31 00 00-0191	EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	265.70	37.62
33 31 00 00-0192	EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	334.07	38.49
33 31 00 00-0193	EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	376.47	40.33
33 31 00 00-0194	EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	544.48	41.87
33 31 00 00-0195	EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	702.87	44.00
33 31 00 00-0196	EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	410.72	46.86
33 31 00 00-0197	EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	435.14	48.40
33 31 00 00-0198	EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	608.56	49.93
33 31 00 00-0199	EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	864.88	52.06
33 31 00 00-0200	EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	973.01	56.10
33 31 00 00-0201	Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 00 00-0201)</small>		
33 31 00 00-0202	EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	70.73	28.38
33 31 00 00-0203	EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	99.95	31.45
33 31 00 00-0204	EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	108.82	33.00
33 31 00 00-0205	EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	128.48	34.54
33 31 00 00-0206	EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	144.70	36.07
33 31 00 00-0207	EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	210.14	37.62
33 31 00 00-0208	EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	307.85	38.79
33 31 00 00-0209	EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	314.53	40.33
33 31 00 00-0210	EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	461.08	41.87
33 31 00 00-0211	EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	508.73	44.00
33 31 00 00-0212	EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	388.70	46.86
33 31 00 00-0213	EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	400.94	48.40
33 31 00 00-0214	EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	561.69	49.93
33 31 00 00-0215	EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	671.56	52.06
33 31 00 00-0216	EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	702.33	56.10
33 31 00 00-0217	EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	864.47	67.47



			Utilities 33
			Sanitary Sewerage Utilities 33 30
			Sanitary Utility Sewerage Piping 33 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0218 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	956.92	71.49
33 31 00 00-0219 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,189.83	79.20
33 31 00 00-0220 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0221 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	48.33	18.91
33 31 00 00-0222 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	70.21	22.00
33 31 00 00-0223 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	98.76	25.08
33 31 00 00-0224 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	175.33	29.33
33 31 00 00-0225 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	246.03	37.39
33 31 00 00-0226 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	468.06	52.80
33 31 00 00-0227 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	864.51	74.80
33 31 00 00-0228 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	1,425.87	98.99
33 31 00 00-0229 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC)	2,056.82	131.99
33 31 00 00-0230 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0231 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	82.31	20.46
33 31 00 00-0232 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	113.21	22.00
33 31 00 00-0233 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	119.60	23.53
33 31 00 00-0234 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	251.70	25.66
33 31 00 00-0235 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	287.79	27.21
33 31 00 00-0236 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	321.14	29.70
33 31 00 00-0237 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	366.73	31.24
33 31 00 00-0238 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	418.90	33.36
33 31 00 00-0239 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)	627.38	45.10
33 31 00 00-0240 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0241 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	71.39	
33 31 00 00-0242 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	92.58	
33 31 00 00-0243 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	94.26	
33 31 00 00-0244 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	147.66	
33 31 00 00-0245 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	154.71	
33 31 00 00-0246 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	276.00	
33 31 00 00-0247 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	169.69	
33 31 00 00-0248 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	182.91	
33 31 00 00-0249 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	378.72	
33 31 00 00-0250 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	442.36	
33 31 00 00-0251 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	201.12	
33 31 00 00-0252 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	212.66	
33 31 00 00-0253 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC) (33 31 00 00-0168)		
33 31 00 00-0254 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	75.34	
33 31 00 00-0255 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	92.58	
33 31 00 00-0256 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	99.63	
33 31 00 00-0257 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	137.20	
33 31 00 00-0258 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	153.86	
33 31 00 00-0259 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	223.35	
33 31 00 00-0260 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	168.85	
33 31 00 00-0261 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	182.11	
33 31 00 00-0262 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	260.85	
33 31 00 00-0263 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	312.24	
33 31 00 00-0264 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	200.61	
33 31 00 00-0265 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	208.75	
33 31 00 00-0266 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	325.18	
33 31 00 00-0267 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	356.19	
33 31 00 00-0268 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)	489.48	
33 31 00 00-0269 Couplings And Plug Fittings (33 31)		
33 31 00 00-0270 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 31 00 00-0269)		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps. Fernco 1056.		
33 31 00 00-0271 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	13.67	4.96
33 31 00 00-0272 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	14.97	5.79
33 31 00 00-0273 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	17.26	6.61
33 31 00 00-0274 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	19.52	7.03
33 31 00 00-0275 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	23.72	7.44
33 31 00 00-0276 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	27.95	8.26
33 31 00 00-0277 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	35.28	9.09
33 31 00 00-0278 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	43.32	9.50
33 31 00 00-0279 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	83.30	9.92
33 31 00 00-0280 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	114.33	10.74
33 31 00 00-0281 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	223.29	11.16
33 31 00 00-0282 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	259.80	11.78
33 31 00 00-0283 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling	288.03	12.40

33 Utilities**33 30 Sanitary Sewerage Utilities****33 31 Sanitary Utility Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 00 00-0284 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Coupling.....	345.42	13.22
33 32 Wastewater Utility Pumping Stations (33 30)		
33 32 16 Packaged Utility Wastewater Pumping Stations (33 32)		
33 32 16 13 Packaged Sewage Grinder Pumping Units (33 32 16)		
33 32 16 13-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16 13)		
33 32 16 13-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,905.71	244.06
Note: Zoeller 840 series.		
33 32 16 13-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	1,876.41	244.06
Note: Zoeller 840 series.		
33 32 16 13-0004 EA Simplex Control Panel With Auto Reversing Switch.....	923.56	81.33
Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,468.12	81.33
Note: For Zoeller 840 series grinder pump.		
33 32 16 13-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	7,305.25	
33 32 16 13-0007 Submersible Grinder Pumps (33 32 16 13)		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 13-0008 EA 2 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	3,309.61	504.39
33 32 16 13-0009 EA 3 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	5,054.50	588.46
33 32 16 13-0010 EA 5 HP Submersible Grinder Pump @ 3450RPM, Explosion Proof.....	6,166.19	756.59
33 39 Sanitary Utility Sewerage Structures (33 30)		
33 39 13 Sanitary Utility Sewerage Manholes, Frames, And Covers (33 39)		
See CSI section 22 13 19 26-0043 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill, 33 44 19 00-0000 for oil separators.		
33 39 13 00-0001 Manholes (33 39 13)		
33 39 13 00-0002 Cast In Place Concrete, 8" Thick (33 39 13 00-0001)		
Note: Includes base, wall, top and block-out for openings.		
33 39 13 00-0003 48" Diameter (33 39 13 00-0002)		
33 39 13 00-0004 EA 4' Diameter x 4' Deep Cast In Place Manhole 8" Thick.....	1,466.81	483.10
33 39 13 00-0005 EA 4' Diameter x 6' Deep Cast In Place Manhole 8" Thick.....	2,022.49	660.93
33 39 13 00-0006 EA 4' Diameter x 8' Deep Cast In Place Manhole 8" Thick.....	2,882.25	990.82
33 39 13 00-0007 VLF 4' Diameter x Vertical Linear Foot Depth Cast In Place Manhole 8" Thick, Over 8'.....	356.27	123.90
33 39 13 00-0008 Precast Concrete Manholes (33 39 13 00-0001)		
Note: Includes base, riser(s), reducer and openings. See CSI section 33 39 13 00-0044 for top slabs.		
33 39 13 00-0009 3' Diameter, 8" Thick Walls, Precast Concrete Manholes (33 39 13 00-0008)		
33 39 13 00-0010 EA 4' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	932.95	228.65
For 6" Thick Wall, Deduct	-70.43	
33 39 13 00-0011 EA 6' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,301.27	312.68
For 6" Thick Wall, Deduct	-98.86	
33 39 13 00-0012 EA 8' Deep x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,814.23	469.02
For 6" Thick Wall, Deduct	-134.52	
33 39 13 00-0013 VLF Vertical Linear Foot Depth Over 8', x 3' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	223.66	62.53
For 6" Thick Wall, Deduct	-16.50	
33 39 13 00-0014 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manholes (33 39 13 00-0008)		
33 39 13 00-0015 EA 4' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,046.38	238.42
For 6" Thick Wall, Deduct	-80.80	
33 39 13 00-0016 EA 6' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,455.10	325.97
For 6" Thick Wall, Deduct	-112.91	
33 39 13 00-0017 EA 8' Deep x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,013.87	488.57
For 6" Thick Wall, Deduct	-152.53	
33 39 13 00-0018 VLF Vertical Linear Foot Depth Over 8', x 3'-6" Diameter, 8" Thick Walls, Precast Concrete Manhole.....	247.29	62.53
For 6" Thick Wall, Deduct	-18.63	
33 39 13 00-0019 4' Diameter, 8" Thick Walls, Precast Concrete Manholes (33 39 13 00-0008)		
33 39 13 00-0020 EA 4' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,163.17	246.24
For 6" Thick Wall, Deduct	-91.53	
33 39 13 00-0021 EA 6' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,612.01	336.14
For 6" Thick Wall, Deduct	-127.33	
33 39 13 00-0022 EA 8' Deep x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,217.84	508.11
For 6" Thick Wall, Deduct	-170.97	
33 39 13 00-0023 VLF Vertical Linear Foot Depth Over 8', x 4' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	271.66	64.49
For 6" Thick Wall, Deduct	-20.81	
33 39 13 00-0024 VLF Vertical Linear Foot Depth x 4' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	326.97	64.49
For 6" Thick Wall, Deduct	-26.35	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0025	5' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>			
33 39 13 00-0026	EA 4' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,424.88 -115.05	273.60	
33 39 13 00-0027	EA 6' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	1,959.32 -158.46	375.22	
33 39 13 00-0028	EA 8' Deep x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	2,667.77 -210.57	562.83	
33 39 13 00-0029	VLF Vertical Linear Foot Depth Over 8', x 5' Diameter, 8" Thick Walls, Precast Concrete Manhole..... <i>For 6" Thick Wall, Deduct</i>	324.93 -25.46	70.35	
33 39 13 00-0030	VLF Vertical Linear Foot Depth x 5' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone..... <i>For 6" Thick Wall, Deduct</i>	384.70 -31.44	70.35	
33 39 13 00-0031	6' Diameter, 8" Thick Walls, Precast Concrete Manholes <small>(33 39 13 00-0008)</small>			
33 39 13 00-0032	EA 4' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	1,710.71	304.87	
33 39 13 00-0033	EA 6' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	2,334.98	414.31	
33 39 13 00-0034	EA 8' Deep x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	3,154.05	625.37	
33 39 13 00-0035	VLF Vertical Linear Foot Depth Over 8', x 6' Diameter, 8" Thick Walls, Precast Concrete Manhole.....	381.64	78.18	
33 39 13 00-0036	VLF Vertical Linear Foot Depth x 6' Diameter, 8" Thick Walls, Precast Manhole Polyvinyl Chloride (PVC) Lined Riser / Cone.....	436.95	78.18	
33 39 13 00-0037	Brick Manholes <small>(33 39 13 00-0001)</small>			
33 39 13 00-0038	4' Inside Diameter x 8" Wall (2 Brick) <small>(33 39 13 00-0037)</small>			
33 39 13 00-0039	EA 4' Inside Diameter x 4' Deep Brick Manhole, 8" Wall.....	2,105.86	769.73	
33 39 13 00-0040	EA 4' Inside Diameter x 6' Deep Brick Manhole, 8" Wall.....	3,080.25	1,133.61	
33 39 13 00-0041	EA 4' Inside Diameter x 8' Deep Brick Manhole, 8" Wall.....	4,075.51	1,539.48	
33 39 13 00-0042	VLF 4' Inside Diameter x Vertical Linear Foot Depth Brick Manhole, 8" Wall, Over 8'.....	528.35	192.43	
33 39 13 00-0043	Manhole Accessories <small>(33 39 13)</small>			
33 39 13 00-0044	Precast Concrete Manhole Tops <small>(33 39 13 00-0043)</small>			
33 39 13 00-0045	Precast Concrete Manhole Slab Tops <small>(33 39 13 00-0044)</small>			
33 39 13 00-0046	EA 3' Diameter x 8" Thick Precast Manhole Top Slab.....	384.72	58.63	
33 39 13 00-0047	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Slab.....	449.07	60.97	
33 39 13 00-0048	EA 4' Diameter x 8" Thick Precast Manhole Top Slab.....	520.97	63.32	
33 39 13 00-0049	EA 5' Diameter x 8" Thick Precast Manhole Top Slab.....	688.10	68.01	
33 39 13 00-0050	EA 6' Diameter x 8" Thick Precast Manhole Top Slab.....	816.05	72.70	
33 39 13 00-0051	Precast Concrete Manhole Cone Tops <small>(33 39 13 00-0044)</small>			
33 39 13 00-0052	EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	593.54	73.29	
33 39 13 00-0053	EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone.....	655.33	76.22	
33 39 13 00-0054	EA 4' Diameter x 8" Thick Precast Manhole Top Cone.....	717.14	79.15	
33 39 13 00-0055	EA 5' Diameter x 8" Thick Precast Manhole Top Cone.....	836.80	84.04	
33 39 13 00-0056	EA 6' Diameter x 8" Thick Precast Manhole Top Cone.....	960.39	89.89	
33 39 13 00-0057	Pipe To Manhole Connector <small>(33 39 13 00-0043)</small>			
33 39 13 00-0058	Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 39 13 00-0057)</small>			
33 39 13 00-0059	EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	53.89		
33 39 13 00-0060	EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	76.66		
33 39 13 00-0061	EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	86.56		
33 39 13 00-0062	EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	126.75		
33 39 13 00-0063	EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	175.41		
33 39 13 00-0064	EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	233.78		
33 39 13 00-0065	EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	411.22		
33 39 13 00-0066	EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	568.72		
33 39 13 00-0067	EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	885.32		
33 39 13 00-0068	EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,046.02		
33 39 13 00-0069	Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 39 13 00-0057)</small> Note: Fernco CMA.			
33 39 13 00-0070	EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	72.09		
33 39 13 00-0071	EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	99.35		
33 39 13 00-0072	EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	125.30		
33 39 13 00-0073	EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	151.15		
33 39 13 00-0074	EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	175.50		
33 39 13 00-0075	Brick And Grout Pipe To Manhole Connector <small>(33 39 13 00-0057)</small>			
33 39 13 00-0076	EA Seal Gap Between Pipe And Structure With Brick And Grout.....	174.06		

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 39 13 00-0077	Inverts For Manholes (33 39 13 00-0043)	
33 39 13 00-0078	EA Single Channel Concrete Invert For Manholes	313.93
33 39 13 00-0079	EA Double Channel Concrete Invert For Manholes	454.14
33 39 13 00-0080	EA Triple Channel Concrete Invert For Manholes	611.16
33 39 13 00-0081	EA Quad Channel Concrete Invert For Manholes	768.14
33 39 13 00-0082	EA Single Channel Brick Invert For Manholes	447.46
33 39 13 00-0083	EA Double Channel Brick Invert For Manholes	670.10
33 39 13 00-0084	EA Triple Channel Brick Invert For Manholes	896.64
33 39 13 00-0085	EA Quad Channel Brick Invert For Manholes	1,120.33
33 39 13 00-0086	Steps For Cast-In-Place Manholes (33 39 13 00-0043)	
	See CSI section 33 01 30 73-0066 for installation of steps in existing manholes.	
33 39 13 00-0087	EA Cast Iron Manhole Step For New Manholes	51.78
33 39 13 00-0088	EA Galvanized Steel Manhole Step For New Manholes	39.04
33 39 13 00-0089	EA Aluminum Manhole Step For New Manholes	36.56
33 39 13 00-0090	EA Polypropylene Manhole Step For New Manholes	31.00
33 39 13 00-0091	Protective Coating For New Manholes (33 39 13 00-0043)	
33 39 13 00-0092	Polyurethane Protective Coating For New Manholes (33 39 13 00-0091)	
33 39 13 00-0093	VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	131.30
	<i>For 80 Mil Material, Add</i>	17.75
	<i>For 100 Mil Material, Add</i>	35.50
	<i>For 125 Mil Material, Add</i>	55.81
	<i>For 150 Mil Material, Add</i>	76.11
	<i>For 200 Mil Material, Add</i>	111.68
	<i>For 2 To 5 Manholes, Deduct</i>	-9.08
	<i>For 6 To 10 Manholes, Deduct</i>	-14.88
	<i>For >10 Manholes, Deduct</i>	-29.77
33 39 13 00-0094	VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	158.80
	<i>For 80 Mil Material, Add</i>	21.14
	<i>For 100 Mil Material, Add</i>	42.28
	<i>For 125 Mil Material, Add</i>	66.40
	<i>For 150 Mil Material, Add</i>	90.52
	<i>For 200 Mil Material, Add</i>	132.60
	<i>For 2 To 5 Manholes, Deduct</i>	-11.02
	<i>For 6 To 10 Manholes, Deduct</i>	-18.06
	<i>For >10 Manholes, Deduct</i>	-36.13
33 39 13 00-0095	VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	175.06
	<i>For 80 Mil Material, Add</i>	23.67
	<i>For 100 Mil Material, Add</i>	47.34
	<i>For 125 Mil Material, Add</i>	74.41
	<i>For 150 Mil Material, Add</i>	101.48
	<i>For 200 Mil Material, Add</i>	148.90
	<i>For 2 To 5 Manholes, Deduct</i>	-12.11
	<i>For 6 To 10 Manholes, Deduct</i>	-19.84
	<i>For >10 Manholes, Deduct</i>	-39.69
33 39 13 00-0096	VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	218.86
	<i>For 80 Mil Material, Add</i>	29.60
	<i>For 100 Mil Material, Add</i>	59.19
	<i>For 125 Mil Material, Add</i>	93.04
	<i>For 150 Mil Material, Add</i>	126.89
	<i>For 200 Mil Material, Add</i>	186.20
	<i>For 2 To 5 Manholes, Deduct</i>	-15.14
	<i>For 6 To 10 Manholes, Deduct</i>	-24.81
	<i>For >10 Manholes, Deduct</i>	-49.61
33 39 13 00-0097	VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	253.68
	<i>For 80 Mil Material, Add</i>	34.84
	<i>For 100 Mil Material, Add</i>	69.69
	<i>For 125 Mil Material, Add</i>	109.63
	<i>For 150 Mil Material, Add</i>	149.58
	<i>For 200 Mil Material, Add</i>	219.85
	<i>For 2 To 5 Manholes, Deduct</i>	-17.50
	<i>For 6 To 10 Manholes, Deduct</i>	-28.65
	<i>For >10 Manholes, Deduct</i>	-57.30
33 39 13 00-0098	Polyvinyl Chloride (PVC) Liner (33 39 13 00-0091)	
	Note: For new manholes and shop applied.	
33 39 13 00-0099	VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	143.86
33 39 13 00-0100	VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	176.34
33 39 13 00-0101	VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	215.19
33 39 13 00-0102	VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	270.24
33 39 13 00-0103	VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	325.28
33 39 13 00-0104	SF Polyvinyl Chloride (PVC) Liner At Structures	22.53
33 39 13 00-0105	Concrete Grade Extensions/Grade Rings (33 39 13 00-0043)	
33 39 13 00-0106	18" Diameter (33 39 13 00-0105)	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0107 EA 4" High, 8" Wall, 18" Diameter Concrete Grade Extension	72.07	
33 39 13 00-0108 EA 6" High, 8" Wall, 18" Diameter Concrete Grade Extension	79.45	
33 39 13 00-0109 EA 8" High, 8" Wall, 18" Diameter Concrete Grade Extension	86.83	
33 39 13 00-0110 EA 10" High, 8" Wall, 18" Diameter Concrete Grade Extension	87.95	
33 39 13 00-0111 24" Diameter (33 39 13 00-0105)		
33 39 13 00-0112 EA 4" High, 8" Wall, 24" Diameter Concrete Grade Extension	81.02	
33 39 13 00-0113 EA 6" High, 8" Wall, 24" Diameter Concrete Grade Extension	89.40	
33 39 13 00-0114 EA 8" High, 8" Wall, 24" Diameter Concrete Grade Extension	97.79	
33 39 13 00-0115 EA 10" High, 8" Wall, 24" Diameter Concrete Grade Extension	106.17	
33 39 13 00-0116 30" Diameter (33 39 13 00-0105)		
33 39 13 00-0117 EA 4" High, 8" Wall, 30" Diameter Concrete Grade Extension	89.74	
33 39 13 00-0118 EA 6" High, 8" Wall, 30" Diameter Concrete Grade Extension	99.09	
33 39 13 00-0119 EA 8" High, 8" Wall, 30" Diameter Concrete Grade Extension	108.44	
33 39 13 00-0120 EA 10" High, 8" Wall, 30" Diameter Concrete Grade Extension	117.79	
33 39 13 00-0121 Bentonite Collar (33 39 13 00-0043)		
33 39 13 00-0122 Bentonite Collar At Manhole Connections (33 39 13 00-0121)		
33 39 13 00-0123 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection	94.91	
33 39 13 00-0124 EA >12" To 21", Bentonite Collar At Manhole Connection	150.51	
33 39 13 00-0125 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection	240.12	
33 39 13 00-0126 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection	563.16	
33 39 13 00-0127 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection	867.56	
33 39 13 00-0128 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection	1,572.16	
33 39 13 00-0129 Manhole Covers And Frames (33 39 13)		
Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 39 13 00-0130 Regular Manhole Covers And Frames, City Type (33 39 13 00-0129)		
33 39 13 00-0131 EA 18" Square x 75 LB Regular Cast Iron Manhole Cover With Frame, City Type	434.49	67.22
For Malleable Iron Castings, Add	69.37	
For Ductile Iron Castings, Add	161.87	
For Heavy Duty, Add	162.23	
33 39 13 00-0132 EA 18" Diameter x 100 LB Regular Cast Iron Manhole Cover With Frame, City Type	648.60	67.22
For Malleable Iron Castings, Add	133.61	
For Ductile Iron Castings, Add	311.75	
For Heavy Duty, Add	237.17	
33 39 13 00-0133 EA 24" Square x 126 LB Regular Cast Iron Manhole Cover With Frame, City Type	661.99	73.48
For Malleable Iron Castings, Add	132.32	
For Ductile Iron Castings, Add	308.75	
For Heavy Duty, Add	242.74	
33 39 13 00-0134 EA 24" Diameter x 200 LB Regular Cast Iron Manhole Cover With Frame, City Type	683.40	73.48
For Malleable Iron Castings, Add	138.74	
For Ductile Iron Castings, Add	323.74	
For Heavy Duty, Add	250.24	
33 39 13 00-0135 EA 24" Diameter x 300 LB Regular Cast Iron Manhole Cover With Frame, City Type	744.10	78.18
For Malleable Iron Castings, Add	152.87	
For Ductile Iron Castings, Add	356.71	
For Heavy Duty, Add	272.16	
33 39 13 00-0136 EA 24" Diameter x 400 LB Regular Cast Iron Manhole Cover With Frame, City Type	819.40	86.77
For Malleable Iron Castings, Add	167.65	
For Ductile Iron Castings, Add	391.18	
For Heavy Duty, Add	299.82	
33 39 13 00-0137 EA 24" Square x 500 LB Regular Cast Iron Manhole Cover With Frame, City Type	962.85	86.77
For Malleable Iron Castings, Add	210.68	
For Ductile Iron Castings, Add	491.60	
For Heavy Duty, Add	350.03	
33 39 13 00-0138 EA 26" Diameter x 475 LB Regular Cast Iron Manhole Cover With Frame, City Type	956.98	93.81
For Malleable Iron Castings, Add	202.34	
For Ductile Iron Castings, Add	472.12	
For Heavy Duty, Add	349.07	
33 39 13 00-0139 EA 30" Diameter x 620 LB Regular Cast Iron Manhole Cover With Frame, City Type	1,083.20	97.71
For Malleable Iron Castings, Add	237.02	
For Ductile Iron Castings, Add	553.05	
For Heavy Duty, Add	393.78	
33 39 13 00-0140 EA 24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard.....	743.19	86.77
For Malleable Iron Castings, Add	144.79	
For Ductile Iron Castings, Add	337.83	
For Heavy Duty, Add	273.15	
33 39 13 00-0141 Watertight Type Manhole Covers And Frames (33 39 13 00-0129)		
33 39 13 00-0142 EA 20" Diameter x 200 LB Watertight Manhole Cover With Frame	664.13	55.51
For Malleable Iron Castings, Add	132.96	
For Ductile Iron Castings, Add	310.25	

33 Utilities**33 30 Sanitary Sewerage Utilities****33 39 Sanitary Utility Sewerage Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 39 13 00-0143 EA 22" Diameter x 300 LB Watertight Manhole Cover With Frame	849.40	55.51
For Malleable Iron Castings, Add	183.09	
For Ductile Iron Castings, Add	427.20	
33 39 13 00-0144 EA 24" Diameter x 350 LB Watertight Manhole Cover With Frame	954.27	64.88
For Malleable Iron Castings, Add	208.11	
For Ductile Iron Castings, Add	485.59	
33 39 13 00-0145 EA 26" Diameter x 500 LB Watertight Manhole Cover With Frame	1,173.55	72.70
For Malleable Iron Castings, Add	267.31	
For Ductile Iron Castings, Add	623.71	
33 39 13 00-0146 EA 30" Diameter x 550 LB Watertight Manhole Cover With Frame	1,137.36	74.26
For Malleable Iron Castings, Add	253.27	
For Ductile Iron Castings, Add	590.96	
33 39 13 00-0147 EA 32" Diameter x 575 LB Watertight Manhole Cover With Frame	1,222.58	75.83
For Malleable Iron Castings, Add	277.68	
For Ductile Iron Castings, Add	647.93	
33 39 13 00-0148 EA 36" Diameter x 600 LB Watertight Manhole Cover With Frame	1,389.30	78.18
For Malleable Iron Castings, Add	326.51	
For Ductile Iron Castings, Add	761.85	
33 39 13 00-0149 Aluminum Manhole Covers And Frames (33 39 13 00-0129)		
33 39 13 00-0150 EA 12" Square Aluminum Manhole Cover With Frame	374.08	23.86
33 39 13 00-0151 EA 18" Square Aluminum Manhole Cover With Frame	643.26	26.41
33 39 13 00-0152 EA 24" Square Aluminum Manhole Cover With Frame	903.58	30.67
33 39 13 00-0153 Remove And Reinstall Manhole Cover And Frame (33 39 13 00-0129)		
Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 39 13 00-0154 EA Remove And Reinstall Manhole Cover And Frame.....	313.42	
33 39 13 00-0155 Rainguard Inflow Protectors (33 39 13 00-0129)		
33 39 13 00-0156 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	93.56	17.41
33 39 13 00-0157 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	105.27	17.41
33 39 13 00-0158 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	125.94	20.90
33 39 13 00-0159 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	133.34	20.90
33 39 13 00-0160 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	163.76	24.38
33 39 13 00-0161 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	172.85	24.38
33 39 13 00-0162 Adjust Frame And Cover To Grade (Monterey County) (33 39 13 00-0129)		
33 39 13 00-0163 EA Adjust Frame And Cover To Grade (Monterey County).....	510.77	
33 39 13 00-0164 Waste Water Collection System Taps (33 39 13)		
Note: For tapping existing structures only. Includes grout.		
33 39 13 00-0165 Brick Manhole Taps (33 39 13 00-0164)		
33 39 13 00-0166 EA 4" Tap In 6" Brick Manhole.....	366.80	
33 39 13 00-0167 EA 6" Tap In 6" Brick Manhole.....	410.35	
33 39 13 00-0168 EA 8" Tap In 6" Brick Manhole.....	453.13	
33 39 13 00-0169 EA 10" Tap In 6" Brick Manhole.....	495.81	
33 39 13 00-0170 EA 12" Tap In 6" Brick Manhole.....	546.06	
33 39 13 00-0171 EA 15" Tap In 6" Brick Manhole.....	588.66	
33 39 13 00-0172 Precast Concrete Manhole Tap (33 39 13 00-0164)		
33 39 13 00-0173 EA 4" Tap In 8" Thick Precast Concrete Manhole	538.17	
33 39 13 00-0174 EA 6" Tap In 8" Thick Precast Concrete Manhole	603.50	
33 39 13 00-0175 EA 8" Tap In 8" Thick Precast Concrete Manhole	673.87	
33 39 13 00-0176 EA 10" Tap In 8" Thick Precast Concrete Manhole	737.90	
33 39 13 00-0177 EA 12" Tap In 8" Thick Precast Concrete Manhole	801.81	
33 39 13 00-0178 EA 15" Tap In 8" Thick Precast Concrete Manhole	867.26	
33 40 Storm Drainage Utilities (33)		
33 41 Storm Utility Drainage Piping (33 40)		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 41 13 Public Storm Utility Drainage Piping (33 41)		
33 41 13 00-0001 Reinforced Concrete Piping (33 41 13)		
33 41 13 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets (33 41 13 00-0001)		
33 41 13 00-0003 LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	33.61	12.38
For >1,000, Deduct	-1.68	
For Class 4, Add	1.51	
For Class 5, Add	4.78	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0004 LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	40.06	13.77
For >1,000, Deduct	-2.00	
For Class 4, Add	1.94	
For Class 5, Add	6.11	
33 41 13 00-0005 LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	45.97	17.18
For >1,000, Deduct	-2.30	
For Class 4, Add	2.04	
For Class 5, Add	6.43	
33 41 13 00-0006 LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	58.81	21.66
For >1,000, Deduct	-2.94	
For Class 4, Add	2.65	
For Class 5, Add	8.36	
33 41 13 00-0007 LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	69.11	26.31
For >1,000, Deduct	-3.46	
For Class 4, Add	3.00	
For Class 5, Add	9.46	
33 41 13 00-0008 LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	86.49	32.69
For >1,000, Deduct	-4.32	
For Class 4, Add	3.78	
For Class 5, Add	11.94	
33 41 13 00-0009 LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	91.84	33.77
For >1,000, Deduct	-4.59	
For Class 4, Add	4.09	
For Class 5, Add	12.91	
33 41 13 00-0010 LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	112.61	38.37
For >1,000, Deduct	-5.63	
For Class 4, Add	5.55	
For Class 5, Add	17.51	
33 41 13 00-0011 LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	144.15	42.20
For >1,000, Deduct	-7.21	
For Class 4, Add	8.02	
For Class 5, Add	25.34	
33 41 13 00-0012 LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	171.89	47.00
For >1,000, Deduct	-8.59	
For Class 4, Add	9.95	
For Class 5, Add	31.43	
33 41 13 00-0013 LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	212.76	53.71
For >1,000, Deduct	-10.64	
For Class 4, Add	12.92	
For Class 5, Add	40.81	
33 41 13 00-0014 LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	256.30	62.30
For >1,000, Deduct	-12.82	
For Class 4, Add	15.89	
For Class 5, Add	50.19	
33 41 13 00-0015 LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	388.44	69.06
For >1,000, Deduct	-19.42	
For Class 4, Add	27.57	
For Class 5, Add	87.07	
33 41 13 00-0016 LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	451.97	75.19
For >1,000, Deduct	-22.60	
For Class 4, Add	32.73	
For Class 5, Add	103.37	
33 41 13 00-0017 LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	542.10	84.40
For >1,000, Deduct	-27.11	
For Class 4, Add	40.02	
For Class 5, Add	126.38	
33 41 13 00-0018 LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	694.68	93.99
For >1,000, Deduct	-34.73	
For Class 4, Add	53.24	
For Class 5, Add	168.12	
33 41 13 00-0019 Concrete Reducing Wye Without Gaskets (33 41 13 00-0001)		
33 41 13 00-0020 EA 12" Concrete Reducing Wye Without Gaskets.....	382.62	47.16
33 41 13 00-0021 EA 15" Concrete Reducing Wye Without Gaskets.....	459.10	57.48
33 41 13 00-0022 EA 18" Concrete Reducing Wye Without Gaskets.....	565.30	63.37
33 41 13 00-0023 EA 21" Concrete Reducing Wye Without Gaskets.....	650.29	78.11
33 41 13 00-0024 EA 24" Concrete Reducing Wye Without Gaskets.....	736.44	94.32
33 41 13 00-0025 Concrete Pipe Joint Gaskets (33 41 13 00-0001)		
33 41 13 00-0026 EA 12" Diameter Concrete Pipe Joint Gasket.....	3.53	
33 41 13 00-0027 EA 15" Diameter Concrete Pipe Joint Gasket.....	4.18	
33 41 13 00-0028 EA 18" Diameter Concrete Pipe Joint Gasket.....	4.84	
33 41 13 00-0029 EA 21" Diameter Concrete Pipe Joint Gasket.....	5.85	
33 41 13 00-0030 EA 24" Diameter Concrete Pipe Joint Gasket.....	6.85	
33 41 13 00-0031 EA 27" Diameter Concrete Pipe Joint Gasket.....	7.63	
33 41 13 00-0032 EA 30" Diameter Concrete Pipe Joint Gasket.....	8.39	
33 41 13 00-0033 EA 36" Diameter Concrete Pipe Joint Gasket.....	10.25	
33 41 13 00-0034 EA 42" Diameter Concrete Pipe Joint Gasket.....	11.88	
33 41 13 00-0035 EA 48" Diameter Concrete Pipe Joint Gasket.....	13.70	
33 41 13 00-0036 EA 54" Diameter Concrete Pipe Joint Gasket.....	16.80	
33 41 13 00-0037 EA 60" Diameter Concrete Pipe Joint Gasket.....	24.86	
33 41 13 00-0038 EA 66" Diameter Concrete Pipe Joint Gasket.....	12.92	

33 Utilities
33 40 Storm Drainage Utilities
33 41 Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0039	EA	72" Diameter Concrete Pipe Joint Gasket.....	26.80	
33 41	13 00-0040	EA	78" Diameter Concrete Pipe Joint Gasket.....	15.42	
33 41	13 00-0041	EA	84" Diameter Concrete Pipe Joint Gasket.....	18.49	
33 41	13 00-0042		Precast Concrete End Sections (33 41 13 00-0001)		
33 41	13 00-0043		Precast Concrete End Sections (33 41 13 00-0042)		
33 41	13 00-0044	EA	12" Diameter Pipe, Precast Concrete End Section.....	584.88	86.43
33 41	13 00-0045	EA	15" Diameter Pipe, Precast Concrete End Section.....	787.57	106.99
33 41	13 00-0046	EA	18" Diameter Pipe, Precast Concrete End Section.....	974.33	135.44
33 41	13 00-0047	EA	21" Diameter Pipe, Precast Concrete End Section.....	1,116.37	161.97
33 41	13 00-0048	EA	24" Diameter Pipe, Precast Concrete End Section.....	1,182.34	187.47
33 41	13 00-0049	EA	27" Diameter Pipe, Precast Concrete End Section.....	1,472.43	228.65
33 41	13 00-0050	EA	30" Diameter Pipe, Precast Concrete End Section.....	1,814.67	343.43
33 41	13 00-0051	EA	36" Diameter Pipe, Precast Concrete End Section.....	2,237.64	433.36
33 41	13 00-0052	EA	42" Diameter Pipe, Precast Concrete End Section.....	2,701.21	543.61
33 41	13 00-0053	EA	48" Diameter Pipe, Precast Concrete End Section.....	2,955.06	613.06
33 41	13 00-0054	EA	54" Diameter Pipe, Precast Concrete End Section.....	3,217.61	686.72
33 41	13 00-0055	EA	60" Diameter Pipe, Precast Concrete End Section.....	3,486.54	763.45
33 41	13 00-0056	EA	66" Diameter Pipe Precast Concrete End Section.....	3,542.95	628.19
33 41	13 00-0057	EA	72" Diameter Pipe Precast Concrete End Section.....	4,040.23	785.21
33 41	13 00-0058	EA	78" Diameter Pipe Precast Concrete End Section.....	4,790.71	981.52
33 41	13 00-0059	EA	84" Diameter Pipe Precast Concrete End Section.....	5,664.26	1,177.82
33 41	13 00-0060		Flared Precast Concrete End Sections (33 41 13 00-0042)		
33 41	13 00-0061	EA	12" Diameter Pipe, Flared Precast Concrete End Section.....	736.60	89.39
33 41	13 00-0062	EA	15" Diameter Pipe, Flared Precast Concrete End Section.....	886.09	111.41
33 41	13 00-0063	EA	18" Diameter Pipe, Flared Precast Concrete End Section.....	1,073.94	141.02
33 41	13 00-0064	EA	21" Diameter Pipe, Flared Precast Concrete End Section.....	1,224.84	168.65
33 41	13 00-0065	EA	24" Diameter Pipe, Flared Precast Concrete End Section.....	1,497.86	195.20
33 41	13 00-0066	EA	27" Diameter Pipe, Flared Precast Concrete End Section.....	1,782.73	311.74
33 41	13 00-0067	EA	30" Diameter Pipe, Flared Precast Concrete End Section.....	1,822.26	429.22
33 41	13 00-0068	EA	36" Diameter Pipe, Flared Precast Concrete End Section.....	2,473.94	541.70
33 41	13 00-0069	EA	42" Diameter Pipe, Flared Precast Concrete End Section.....	2,959.54	679.66
33 41	13 00-0070	EA	48" Diameter Pipe, Flared Precast Concrete End Section.....	3,192.71	766.51
33 41	13 00-0071	EA	54" Diameter Pipe, Flared Precast Concrete End Section.....	3,570.73	858.51
33 41	13 00-0072	EA	60" Diameter Pipe, Flared Precast Concrete End Section.....	3,955.33	953.58
33 41	13 00-0073	EA	66" Diameter Pipe, Flared Precast Concrete End Section.....	4,617.76	1,098.67
33 41	13 00-0074	EA	72" Diameter Pipe, Flared Precast Concrete End Section.....	5,403.10	1,226.27
33 41	13 00-0075	EA	78" Diameter Pipe, Flared Precast Concrete End Section.....	6,130.34	1,379.49
33 41	13 00-0076	EA	84" Diameter Pipe, Flared Precast Concrete End Section.....	7,089.88	1,532.56
33 41	13 00-0077		Prestressed Concrete Cylinder Piping (33 41 13)		
33 41	13 00-0078		150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 41 13 00-0077)		
33 41	13 00-0079		150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 41 13 00-0078)		
Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".					
33 41	13 00-0080	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	86.27	12.38
			For >1,000, Deduct	-4.31	
			For 100 PSI, Deduct	-17.15	
33 41	13 00-0081	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	92.23	13.77
			For >1,000, Deduct	-4.61	
			For 100 PSI, Deduct	-18.14	
33 41	13 00-0082	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	101.05	17.18
			For >1,000, Deduct	-5.05	
			For 100 PSI, Deduct	-19.13	
33 41	13 00-0083	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	111.44	21.66
			For >1,000, Deduct	-5.57	
			For 100 PSI, Deduct	-20.12	
33 41	13 00-0084	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	122.04	26.31
			For >1,000, Deduct	-6.10	
			For 100 PSI, Deduct	-21.12	
33 41	13 00-0085	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	143.37	33.77
			For >1,000, Deduct	-7.17	
			For 100 PSI, Deduct	-23.64	
33 41	13 00-0086	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	158.91	38.37
			For >1,000, Deduct	-7.95	
			For 100 PSI, Deduct	-26.17	
33 41	13 00-0087	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	183.85	42.20
			For >1,000, Deduct	-9.19	
			For 100 PSI, Deduct	-31.04	
33 41	13 00-0088	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	210.78	47.00
			For >1,000, Deduct	-10.54	
			For 100 PSI, Deduct	-35.91	
33 41	13 00-0089	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	278.69	60.67
			For >1,000, Deduct	-13.93	
			For 100 PSI, Deduct	-48.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0090 LF 60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	335.14	70.38
For >1,000, Deduct	-16.76	
For 100 PSI, Deduct	-58.65	
33 41 13 00-0091 LF 66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	376.23	78.00
For >1,000, Deduct	-18.81	
For 100 PSI, Deduct	-66.32	
33 41 13 00-0092 LF 72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	419.12	84.94
For >1,000, Deduct	-20.96	
For 100 PSI, Deduct	-74.45	
33 41 13 00-0093 LF 78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	475.79	95.34
For >1,000, Deduct	-23.79	
For 100 PSI, Deduct	-84.82	
33 41 13 00-0094 LF 84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	532.46	106.17
For >1,000, Deduct	-26.62	
For 100 PSI, Deduct	-95.20	
33 41 13 00-0095 LF 90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	655.93	123.94
For >1,000, Deduct	-32.80	
For 100 PSI, Deduct	-119.56	
33 41 13 00-0096 LF 96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	770.69	141.53
For >1,000, Deduct	-38.53	
For 100 PSI, Deduct	-142.12	
33 41 13 00-0097 LF 102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	895.80	153.33
For >1,000, Deduct	-44.79	
For 100 PSI, Deduct	-169.19	
33 41 13 00-0098 LF 108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,008.62	162.83
For >1,000, Deduct	-50.43	
For 100 PSI, Deduct	-194.01	
33 41 13 00-0099 LF 114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,211.69	172.32
For >1,000, Deduct	-60.58	
For 100 PSI, Deduct	-241.38	
33 41 13 00-0100 LF 120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,404.57	181.01
For >1,000, Deduct	-70.23	
For 100 PSI, Deduct	-286.50	
33 41 13 00-0101 LF 126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,528.89	189.71
For >1,000, Deduct	-76.44	
For 100 PSI, Deduct	-314.47	
33 41 13 00-0102 LF 132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,655.00	198.40
For >1,000, Deduct	-82.75	
For 100 PSI, Deduct	-342.89	
33 41 13 00-0103 LF 138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,780.22	207.09
For >1,000, Deduct	-89.01	
For 100 PSI, Deduct	-371.09	
33 41 13 00-0104 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,905.42	215.79
For >1,000, Deduct	-95.27	
For 100 PSI, Deduct	-399.29	
33 41 13 00-0105 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33)		
<small>41 13 00-0078)</small>		
33 41 13 00-0106 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	324.15	116.06
33 41 13 00-0107 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	450.71	165.79
33 41 13 00-0108 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	582.89	221.07
33 41 13 00-0109 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	715.07	276.33
33 41 13 00-0110 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	871.57	343.39
33 41 13 00-0111 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,111.86	460.55
33 41 13 00-0112 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,362.73	537.09
33 41 13 00-0113 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,587.61	626.87
33 41 13 00-0114 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,791.40	715.87
33 41 13 00-0115 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,208.71	893.88
33 41 13 00-0116 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,909.49	1,213.40
33 41 13 00-0117 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,248.04	1,343.40
33 41 13 00-0118 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,586.58	1,473.41
33 41 13 00-0119 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,271.64	1,690.08
33 41 13 00-0120 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,951.91	1,906.77
33 41 13 00-0121 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,842.25	2,166.78
33 41 13 00-0122 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,727.81	2,426.79
33 41 13 00-0123 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,926.15	3,082.65
33 41 13 00-0124 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,075.55	3,699.18
33 41 13 00-0125 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,443.24	4,932.24
33 41 13 00-0126 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,752.58	6,165.30
33 41 13 00-0127 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,915.49	6,649.72
33 41 13 00-0128 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,081.67	7,134.14
33 41 13 00-0129 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,163.09	7,618.55
33 41 13 00-0130 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	26,456.18	8,102.97
33 41 13 00-0131 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33)		
<small>41 13 00-0078)</small>		
33 41 13 00-0132 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	305.74	116.06
33 41 13 00-0133 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	426.89	165.79
33 41 13 00-0134 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	554.73	221.07
33 41 13 00-0135 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	682.59	276.33
33 41 13 00-0136 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	834.75	343.39
33 41 13 00-0137 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,061.33	429.60

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0138 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,304.98	537.09
33 41 13 00-0139 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,520.84	626.87
33 41 13 00-0140 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,719.57	715.87
33 41 13 00-0141 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,101.50	893.88
33 41 13 00-0142 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,812.27	1,213.40
33 41 13 00-0143 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,143.78	1,343.40
33 41 13 00-0144 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,475.27	1,473.41
33 41 13 00-0145 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,011.82	1,690.08
33 41 13 00-0146 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,543.58	1,906.77
33 41 13 00-0147 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,326.94	2,166.78
33 41 13 00-0148 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,105.51	2,426.79
33 41 13 00-0149 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,911.15	3,033.48
33 41 13 00-0150 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,864.48	3,699.18
33 41 13 00-0151 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,937.52	4,932.24
33 41 13 00-0152 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	15,952.21	6,165.30
33 41 13 00-0153 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	17,718.72	6,649.72
33 41 13 00-0154 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	19,488.50	8,102.97
33 41 13 00-0155 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	21,262.84	7,618.55
33 41 13 00-0156 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	23,275.31	8,102.97
33 41 13 00-0157 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 41 13 00-0077)		
33 41 13 00-0158 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 41 13 00-0157)		
Note: AWWA C301		
33 41 13 00-0159 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	167.10	33.77
For >1,000, Deduct	-8.36	
33 41 13 00-0160 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	202.75	38.37
For >1,000, Deduct	-10.14	
33 41 13 00-0161 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	235.89	42.20
For >1,000, Deduct	-11.79	
33 41 13 00-0162 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints (33 41 13 00-0157)		
Note: AWWA C301		
33 41 13 00-0163 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	315.31	46.96
For >1,000, Deduct	-15.77	
33 41 13 00-0164 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	379.02	60.67
For >1,000, Deduct	-18.95	
33 41 13 00-0165 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	437.04	70.38
For >1,000, Deduct	-21.85	
33 41 13 00-0166 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	491.62	78.00
For >1,000, Deduct	-24.58	
33 41 13 00-0167 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	593.02	84.94
For >1,000, Deduct	-29.65	
33 41 13 00-0168 Welded Joints For Prestressed Concrete Cylinder Pipe (33 41 13 00-0157)		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 41 13 00-0169 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,149.47	
33 41 13 00-0170 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,234.61	
33 41 13 00-0171 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,277.18	
33 41 13 00-0172 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,447.48	
33 41 13 00-0173 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,490.05	
33 41 13 00-0174 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,575.19	
33 41 13 00-0175 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,617.77	
33 41 13 00-0176 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	1,660.34	
33 41 13 00-0177 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 41 13 00-0178 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,128.64	
33 41 13 00-0179 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 41 13 00-0180 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,426.65	
33 41 13 00-0181 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 41 13 00-0182 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,596.94	
33 41 13 00-0183 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 41 13 00-0184 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,809.81	
33 41 13 00-0185 Quick Test Joints (33 41 13 00-0157)		
33 41 13 00-0186 EA 30" Quick Test Joint.....	326.01	
33 41 13 00-0187 EA 36" Quick Test Joint.....	329.85	
33 41 13 00-0188 EA 42" Quick Test Joint.....	333.69	
33 41 13 00-0189 EA 48" Quick Test Joint.....	341.16	
33 41 13 00-0190 EA 54" Quick Test Joint.....	359.79	
33 41 13 00-0191 EA 60" Quick Test Joint.....	374.53	
33 41 13 00-0192 EA 66" Quick Test Joint.....	395.34	
33 41 13 00-0193 EA 72" Quick Test Joint.....	416.15	
33 41 13 00-0194 Harnessed Joints (33 41 13 00-0157)		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0195 Harness Clamp Restrained Joints <small>(33 41 13 00-0194)</small>		
33 41 13 00-0196 EA 30" Harness Clamp Restrained Joint.....	2,853.02	
33 41 13 00-0197 EA 36" Harness Clamp Restrained Joint.....	2,964.23	
33 41 13 00-0198 EA 42" Harness Clamp Restrained Joint.....	3,075.44	
33 41 13 00-0199 EA 48" Harness Clamp Restrained Joint.....	3,186.64	
33 41 13 00-0200 EA 54" Harness Clamp Restrained Joint.....	3,307.79	
33 41 13 00-0201 EA 60" Harness Clamp Restrained Joint.....	3,477.51	
33 41 13 00-0202 EA 66" Harness Clamp Restrained Joint.....	3,593.56	
33 41 13 00-0203 EA 72" Harness Clamp Restrained Joint.....	3,849.18	
33 41 13 00-0204 Snap Ring Restrained Joints <small>(33 41 13 00-0194)</small>		
33 41 13 00-0205 EA 30" Snap Ring Restrained Joint.....	490.86	
33 41 13 00-0206 EA 36" Snap Ring Restrained Joint.....	559.12	
33 41 13 00-0207 EA 42" Snap Ring Restrained Joint.....	745.50	
33 41 13 00-0208 EA 48" Snap Ring Restrained Joint.....	845.96	
33 41 13 00-0209 EA 54" Snap Ring Restrained Joint.....	956.37	
33 41 13 00-0210 EA 60" Snap Ring Restrained Joint.....	1,083.15	
33 41 13 00-0211 EA 66" Snap Ring Restrained Joint.....	1,199.19	
33 41 13 00-0212 EA 72" Snap Ring Restrained Joint.....	1,336.71	
33 41 13 00-0213 Pipe Repairs <small>(33 41 13 00-0157)</small>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 41 13 00-0214 Lined Cylinder Pipe Repair <small>(33 41 13 00-0213)</small>		
33 41 13 00-0215 EA 30" Lined Cylinder Pipe Repair.....	4,367.98	
33 41 13 00-0216 EA 36" Lined Cylinder Pipe Repair.....	5,408.75	
33 41 13 00-0217 EA 42" Lined Cylinder Pipe Repair.....	6,504.98	
33 41 13 00-0218 Embedded Cylinder Pipe Repair <small>(33 41 13 00-0213)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 41 13 00-0219 EA 48" Embedded Cylinder Pipe Repair.....	9,548.75	
33 41 13 00-0220 EA 54" Embedded Cylinder Pipe Repair.....	11,069.50	
33 41 13 00-0221 EA 60" Embedded Cylinder Pipe Repair.....	12,603.13	
33 41 13 00-0222 EA 66" Embedded Cylinder Pipe Repair.....	14,236.74	
33 41 13 00-0223 EA 72" Embedded Cylinder Pipe Repair.....	17,056.56	
33 41 13 00-0224 High Density Polyethylene (HDPE) Piping <small>(33 41 13)</small>		
33 41 13 00-0225 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0224)</small>		
Note: Excludes couplings and gaskets.		
33 41 13 00-0226 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0225)</small>		
33 41 13 00-0227 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.97	5.05
For <100, Add	2.02	
For >1,000, Deduct	-0.55	
33 41 13 00-0228 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.94	5.88
For <100, Add	2.35	
For >1,000, Deduct	-0.70	
33 41 13 00-0229 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.93	6.83
For <100, Add	2.73	
For >1,000, Deduct	-0.85	
33 41 13 00-0230 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	18.85	7.07
For <100, Add	2.83	
For >1,000, Deduct	-0.94	
33 41 13 00-0231 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.75	7.32
For <100, Add	2.93	
For >1,000, Deduct	-0.99	
33 41 13 00-0232 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.01	7.59
For <100, Add	3.03	
For >1,000, Deduct	-1.10	
33 41 13 00-0233 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.93	7.86
For <100, Add	3.14	
For >1,000, Deduct	-1.30	
33 41 13 00-0234 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.68	9.21
For <100, Add	3.68	
For >1,000, Deduct	-1.73	
33 41 13 00-0235 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	48.81	12.40
For <100, Add	4.96	
For >1,000, Deduct	-2.44	
33 41 13 00-0236 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	63.81	15.67
For <100, Add	6.27	
For >1,000, Deduct	-3.19	

33 Utilities

33 40 Storm Drainage Utilities

33 41 Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0237 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0225)</small>		
33 41 13 00-0238 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.66	7.32
For <100, Add	2.93	
For >1,000, Deduct	-0.98	
33 41 13 00-0239 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.37	7.59
For <100, Add	3.03	
For >1,000, Deduct	-1.12	
33 41 13 00-0240 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.47	7.86
For <100, Add	3.14	
For >1,000, Deduct	-1.32	
33 41 13 00-0241 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.53	9.21
For <100, Add	3.68	
For >1,000, Deduct	-1.78	
33 41 13 00-0242 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	51.15	12.40
For <100, Add	4.96	
For >1,000, Deduct	-2.56	
33 41 13 00-0243 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	65.55	15.67
For <100, Add	6.27	
For >1,000, Deduct	-3.28	
33 41 13 00-0244 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	83.57	17.09
For <100, Add	6.84	
For >1,000, Deduct	-4.18	
33 41 13 00-0245 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	91.50	19.29
For <100, Add	7.71	
For >1,000, Deduct	-4.58	
33 41 13 00-0246 Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0224)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0247 Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0246)</small>		
33 41 13 00-0248 LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.64	5.05
For <100, Add	2.02	
For >1,000, Deduct	-0.53	
33 41 13 00-0249 LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	12.93	5.88
For <100, Add	2.35	
For >1,000, Deduct	-0.65	
33 41 13 00-0250 LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	15.74	6.83
For <100, Add	2.73	
For >1,000, Deduct	-0.79	
33 41 13 00-0251 LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	17.98	7.07
For <100, Add	2.83	
For >1,000, Deduct	-0.90	
33 41 13 00-0252 LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.42	7.32
For <100, Add	2.93	
For >1,000, Deduct	-0.97	
33 41 13 00-0253 LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.11	7.59
For <100, Add	3.03	
For >1,000, Deduct	-1.11	
33 41 13 00-0254 LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	26.60	7.86
For <100, Add	3.14	
For >1,000, Deduct	-1.33	
33 41 13 00-0255 LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe	35.41	9.21
For <100, Add	3.68	
For >1,000, Deduct	-1.77	
33 41 13 00-0256 Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0224)</small> Note: Excludes couplings and gaskets.		
33 41 13 00-0257 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0256)</small>		
33 41 13 00-0258 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	10.98	5.05
For <100, Add	2.02	
For >1,000, Deduct	-0.55	
33 41 13 00-0259 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	13.95	5.88
For <100, Add	2.35	
For >1,000, Deduct	-0.70	
33 41 13 00-0260 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	16.93	6.83
For <100, Add	2.73	
For >1,000, Deduct	-0.85	
33 41 13 00-0261 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	18.86	7.07
For <100, Add	2.83	
For >1,000, Deduct	-0.94	
33 41 13 00-0262 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	19.75	7.32
For <100, Add	2.93	
For >1,000, Deduct	-0.99	
33 41 13 00-0263 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe	22.02	7.59
For <100, Add	3.03	
For >1,000, Deduct	-1.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0264 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.94	7.86
<i>For <100, Add</i>	3.14	
<i>For >1,000, Deduct</i>	-1.30	
33 41 13 00-0265 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	34.68	9.21
<i>For <100, Add</i>	3.68	
<i>For >1,000, Deduct</i>	-1.73	
33 41 13 00-0266 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	48.96	12.40
<i>For <100, Add</i>	4.96	
<i>For >1,000, Deduct</i>	-2.45	
33 41 13 00-0267 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	63.81	15.67
<i>For <100, Add</i>	6.27	
<i>For >1,000, Deduct</i>	-3.19	
33 41 13 00-0268 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0266)</small>		
33 41 13 00-0269 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.68	7.32
<i>For <100, Add</i>	2.93	
<i>For >1,000, Deduct</i>	-0.98	
33 41 13 00-0270 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.38	7.59
<i>For <100, Add</i>	3.03	
<i>For >1,000, Deduct</i>	-1.12	
33 41 13 00-0271 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.48	7.86
<i>For <100, Add</i>	3.14	
<i>For >1,000, Deduct</i>	-1.32	
33 41 13 00-0272 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.53	9.21
<i>For <100, Add</i>	3.68	
<i>For >1,000, Deduct</i>	-1.78	
33 41 13 00-0273 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	51.15	12.40
<i>For <100, Add</i>	4.96	
<i>For >1,000, Deduct</i>	-2.56	
33 41 13 00-0274 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	65.55	15.67
<i>For <100, Add</i>	6.27	
<i>For >1,000, Deduct</i>	-3.28	
33 41 13 00-0275 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	83.57	17.09
<i>For <100, Add</i>	6.84	
<i>For >1,000, Deduct</i>	-4.18	
33 41 13 00-0276 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	91.50	19.29
<i>For <100, Add</i>	7.71	
<i>For >1,000, Deduct</i>	-4.58	
33 41 13 00-0277 Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 13 00-0256)</small>		
33 41 13 00-0278 LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.65	5.05
<i>For <100, Add</i>	2.02	
<i>For >1,000, Deduct</i>	-0.53	
33 41 13 00-0279 LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	12.93	5.88
<i>For <100, Add</i>	2.35	
<i>For >1,000, Deduct</i>	-0.65	
33 41 13 00-0280 LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.68	6.83
<i>For <100, Add</i>	2.73	
<i>For >1,000, Deduct</i>	-0.78	
33 41 13 00-0281 LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.98	7.07
<i>For <100, Add</i>	2.83	
<i>For >1,000, Deduct</i>	-0.90	
33 41 13 00-0282 LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.42	7.32
<i>For <100, Add</i>	2.93	
<i>For >1,000, Deduct</i>	-0.97	
33 41 13 00-0283 LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.11	7.59
<i>For <100, Add</i>	3.03	
<i>For >1,000, Deduct</i>	-1.11	
33 41 13 00-0284 LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.60	7.86
<i>For <100, Add</i>	3.14	
<i>For >1,000, Deduct</i>	-1.33	
33 41 13 00-0285 LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.41	9.21
<i>For <100, Add</i>	3.68	
<i>For >1,000, Deduct</i>	-1.77	
33 41 13 00-0286 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0224)</small>		
Note: Excludes couplings and gaskets.		
33 41 13 00-0287 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0286)</small>		

33	33 Utilities
	33 40 Storm Drainage Utilities
	33 41 Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
33 41	13 00-0288	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	30.62	17.60	
33 41	13 00-0289	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	36.58	20.54	
33 41	13 00-0290	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	49.20	24.95	
33 41	13 00-0291	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	66.40	30.82	
33 41	13 00-0292	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	90.47	36.69	
33 41	13 00-0293	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	123.08	47.94	
33 41	13 00-0294	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	171.77	64.56	
33 41	13 00-0295	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	208.91	73.70	
33 41	13 00-0296	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	313.44	85.11	
33 41	13 00-0297	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	389.39	98.31	
33 41	13 00-0298	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	592.83	117.39	
33 41	13 00-0299	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	734.58	139.40	
33 41	13 00-0300	Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0286)</small>				
33 41	13 00-0301	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	35.05	17.60	
33 41	13 00-0302	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	41.45	20.54	
33 41	13 00-0303	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	52.27	24.95	
33 41	13 00-0304	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	69.78	30.82	
33 41	13 00-0305	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	101.37	36.69	
33 41	13 00-0306	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	119.74	47.94	
33 41	13 00-0307	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	165.26	64.56	
33 41	13 00-0308	22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0286)</small>				
33 41	13 00-0309	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	19.86	11.74	
33 41	13 00-0310	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	23.55	13.70	
33 41	13 00-0311	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	30.35	16.63	
33 41	13 00-0312	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	37.73	20.54	
33 41	13 00-0313	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	48.33	24.45	
33 41	13 00-0314	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	67.55	31.30	
33 41	13 00-0315	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	91.39	43.04	
33 41	13 00-0316	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	134.13	48.91	
33 41	13 00-0317	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	172.91	56.73	
33 41	13 00-0318	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	201.50	65.54	
33 41	13 00-0319	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	250.92	78.26	
33 41	13 00-0320	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	323.77	92.93	
33 41	13 00-0321	45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0286)</small>				
33 41	13 00-0322	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	20.34	11.74	
33 41	13 00-0323	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	24.56	13.70	
33 41	13 00-0324	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	30.87	16.63	
33 41	13 00-0325	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	41.93	20.54	
33 41	13 00-0326	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	48.33	24.45	
33 41	13 00-0327	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	67.46	31.30	
33 41	13 00-0328	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	98.16	43.04	
33 41	13 00-0329	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	139.37	48.91	
33 41	13 00-0330	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	173.16	56.73	
33 41	13 00-0331	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	212.78	65.54	
33 41	13 00-0332	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	294.44	78.26	
33 41	13 00-0333	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	362.78	92.93	
33 41	13 00-0334	Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 13 00-0224)</small>				
Note: Excludes couplings and gaskets.						
33 41	13 00-0335	Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0334)</small>				
33 41	13 00-0336	EA	4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	27.63	17.60	
33 41	13 00-0337	EA	6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	32.38	20.54	
33 41	13 00-0338	EA	8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	42.47	24.95	
33 41	13 00-0339	EA	10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	53.08	30.82	
33 41	13 00-0340	EA	12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	67.92	36.69	
33 41	13 00-0341	EA	15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	109.38	47.94	
33 41	13 00-0342	EA	18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	139.49	64.56	
33 41	13 00-0343	EA	24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE)	205.34	73.37	
33 41	13 00-0344	Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0334)</small>				
33 41	13 00-0345	EA	4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	27.82	17.60	
33 41	13 00-0346	EA	6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	32.98	20.54	
33 41	13 00-0347	EA	8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE)	48.75	24.95	
33 41	13 00-0348	45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0334)</small>				



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 41	13 00	0349	EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	18.48	11.74
				33 41 13 00-0350 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 13 00-0334)</small>		
	33 41	13 00	0351	EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	18.68	11.74
	33 41	13 00	0352	EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	22.36	13.70
	33 41	13 00	0353	EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	28.77	16.63
	33 41	13 00	0354	EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	36.26	20.54
				33 41 13 00-0355 Couplings And End Sections, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0224)</small>		
<i>Note: For single and double wall high density polyethylene (HDPE) piping.</i>						
				33 41 13 00-0356 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0355)</small>		
	33 41	13 00	0357	EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.29	
	33 41	13 00	0358	EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.52	
	33 41	13 00	0359	EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.80	
	33 41	13 00	0360	EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	0.98	
	33 41	13 00	0361	EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.06	
	33 41	13 00	0362	EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	1.51	
	33 41	13 00	0363	EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	2.23	
	33 41	13 00	0364	EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	3.55	
	33 41	13 00	0365	EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.44	
	33 41	13 00	0366	EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.12	
	33 41	13 00	0367	EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	11.20	
	33 41	13 00	0368	EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.15	
				33 41 13 00-0369 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0355)</small>		
	33 41	13 00	0370	EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	15.34	
	33 41	13 00	0371	EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.06	
	33 41	13 00	0372	EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.82	
	33 41	13 00	0373	EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.61	
	33 41	13 00	0374	EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.88	
	33 41	13 00	0375	EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	21.56	
	33 41	13 00	0376	EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.49	
	33 41	13 00	0377	EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	25.61	
	33 41	13 00	0378	EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	41.06	
	33 41	13 00	0379	EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	44.97	
	33 41	13 00	0380	EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	49.00	
	33 41	13 00	0381	EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	59.51	
				33 41 13 00-0382 End Sections, Corrugated High Density Polyethylene (HDPE) Pipe <small>(33 41 13 00-0355)</small>		
	33 41	13 00	0383	EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	106.38	44.00
	33 41	13 00	0384	EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	122.00	49.50
	33 41	13 00	0385	EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	130.48	53.16
	33 41	13 00	0386	EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	148.10	58.66
	33 41	13 00	0387	EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	181.69	69.66
	33 41	13 00	0388	EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	301.39	78.82
	33 41	13 00	0389	EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe.....	335.69	87.99
				33 41 13 00-0390 Vitrified Clay Piping <small>(33 41 13)</small>		
				33 41 13 00-0391 Extra Strength Vitrified Clay Piping <small>(33 41 13 00-0390)</small>		
				33 41 13 00-0392 Plain Joint, Extra Strength, Vitrified Clay Piping <small>(33 41 13 00-0391)</small>		
<i>Note: ASTM C700.</i>						
	33 41	13 00	0393	LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	14.49	
				<i>For 3' Lengths, Add</i>	1.08	
				<i>For 2' Lengths, Add</i>	1.44	
				<i>For Standard Strength, Deduct</i>	-0.36	
				<i>For >1,000, Deduct</i>	-0.72	
	33 41	13 00	0394	LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	18.72	
				<i>For 3' Lengths, Add</i>	1.68	
				<i>For 2' Lengths, Add</i>	2.24	
				<i>For Standard Strength, Deduct</i>	-0.56	
				<i>For >1,000, Deduct</i>	-0.94	
	33 41	13 00	0395	LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	23.35	
				<i>For 3' Lengths, Add</i>	2.40	
				<i>For 2' Lengths, Add</i>	3.20	
				<i>For Standard Strength, Deduct</i>	-0.80	
				<i>For >1,000, Deduct</i>	-1.17	
	33 41	13 00	0396	LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	28.97	
				<i>For 3' Lengths, Add</i>	3.68	
				<i>For 2' Lengths, Add</i>	4.90	
				<i>For Standard Strength, Deduct</i>	-1.23	
				<i>For >1,000, Deduct</i>	-1.45	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0397 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	36.13	
For 3' Lengths, Add	5.19	
For 2' Lengths, Add	6.92	
For Standard Strength, Deduct	-1.73	
For >1,000, Deduct	-1.81	
33 41 13 00-0398 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	53.39	
For 3' Lengths, Add	9.73	
For 2' Lengths, Add	12.98	
For Standard Strength, Deduct	-3.24	
For >1,000, Deduct	-2.67	
33 41 13 00-0399 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	72.62	
For 3' Lengths, Add	13.95	
For 2' Lengths, Add	18.60	
For Standard Strength, Deduct	-4.65	
For >1,000, Deduct	-3.63	
33 41 13 00-0400 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	107.44	
For 3' Lengths, Add	22.35	
For 2' Lengths, Add	29.80	
For Standard Strength, Deduct	-7.45	
For >1,000, Deduct	-5.37	
33 41 13 00-0401 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	137.33	
For 3' Lengths, Add	29.20	
For 2' Lengths, Add	38.93	
For Standard Strength, Deduct	-9.73	
For >1,000, Deduct	-6.87	
33 41 13 00-0402 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	171.24	
For 3' Lengths, Add	36.41	
For 2' Lengths, Add	48.54	
For Standard Strength, Deduct	-12.14	
For >1,000, Deduct	-8.56	
33 41 13 00-0403 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	202.05	
For 3' Lengths, Add	43.98	
For 2' Lengths, Add	58.64	
For Standard Strength, Deduct	-14.66	
For >1,000, Deduct	-10.10	
33 41 13 00-0404 Compression Joint, Extra Strength, Vitrified Clay Piping (33 41 13 00-0391)		
Note: ASTM C425.		
33 41 13 00-0405 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	17.32	
For 3' Lengths, Add	1.28	
For 2' Lengths, Add	1.70	
For Standard Strength, Deduct	-0.43	
For >1,000, Deduct	-0.87	
33 41 13 00-0406 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	22.69	
For 3' Lengths, Add	2.08	
For 2' Lengths, Add	2.78	
For Standard Strength, Deduct	-0.69	
For >1,000, Deduct	-1.13	
33 41 13 00-0407 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	28.22	
For 3' Lengths, Add	2.94	
For 2' Lengths, Add	3.92	
For Standard Strength, Deduct	-0.98	
For >1,000, Deduct	-1.41	
33 41 13 00-0408 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	36.15	
For 3' Lengths, Add	4.83	
For 2' Lengths, Add	6.44	
For Standard Strength, Deduct	-1.61	
For >1,000, Deduct	-1.81	
33 41 13 00-0409 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	43.74	
For 3' Lengths, Add	6.35	
For 2' Lengths, Add	8.46	
For Standard Strength, Deduct	-2.12	
For >1,000, Deduct	-2.19	
33 41 13 00-0410 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	63.70	
For 3' Lengths, Add	11.57	
For 2' Lengths, Add	15.43	
For Standard Strength, Deduct	-3.86	
For >1,000, Deduct	-3.19	
33 41 13 00-0411 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	87.81	
For 3' Lengths, Add	16.94	
For 2' Lengths, Add	22.59	
For Standard Strength, Deduct	-5.65	
For >1,000, Deduct	-4.39	
33 41 13 00-0412 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	125.45	
For 3' Lengths, Add	25.77	
For 2' Lengths, Add	34.36	
For Standard Strength, Deduct	-8.59	
For >1,000, Deduct	-6.27	
33 41 13 00-0413 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	163.36	
For 3' Lengths, Add	34.61	
For 2' Lengths, Add	46.14	
For Standard Strength, Deduct	-11.54	
For >1,000, Deduct	-8.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0414 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	260.52	
For 3' Lengths, Add	60.20	
For 2' Lengths, Add	80.26	
For Standard Strength, Deduct	-20.07	
For >1,000, Deduct	-13.03	
33 41 13 00-0415 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	362.12	
For 3' Lengths, Add	88.67	
For 2' Lengths, Add	118.23	
For Standard Strength, Deduct	-29.56	
For >1,000, Deduct	-18.11	
33 41 13 00-0416 Extra Strength, Vitrified Clay Pipe Fittings <small>(33 41 13 00-0390)</small>		
33 41 13 00-0417 1/8 Bends, Extra Strength, Vitrified Clay <small>(33 41 13 00-0416)</small>		
33 41 13 00-0418 Plain End 1/8 Bend, Extra Strength, Vitrified Clay <small>(33 41 13 00-0417)</small>		
33 41 13 00-0419 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	58.40	
33 41 13 00-0420 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	78.04	
33 41 13 00-0421 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	109.74	
33 41 13 00-0422 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	148.65	
33 41 13 00-0423 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	194.68	
33 41 13 00-0424 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	452.13	
33 41 13 00-0425 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	635.88	
33 41 13 00-0426 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	987.97	
33 41 13 00-0427 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,141.31	
33 41 13 00-0428 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,327.17	
33 41 13 00-0429 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,980.69	
33 41 13 00-0430 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay <small>(33 41 13 00-0417)</small>		
33 41 13 00-0431 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	66.42	
33 41 13 00-0432 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	92.95	
33 41 13 00-0433 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	124.40	
33 41 13 00-0434 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	164.41	
33 41 13 00-0435 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	207.17	
33 41 13 00-0436 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	508.08	
33 41 13 00-0437 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	736.35	
33 41 13 00-0438 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	760.92	
33 41 13 00-0439 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,459.88	
33 41 13 00-0440 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,629.28	
33 41 13 00-0441 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,407.62	
33 41 13 00-0442 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 41 13 00-0416)</small>		
33 41 13 00-0443 Plain End 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 41 13 00-0442)</small>		
33 41 13 00-0444 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	69.30	
33 41 13 00-0445 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	91.16	
33 41 13 00-0446 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	125.08	
33 41 13 00-0447 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	165.36	
33 41 13 00-0448 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	213.50	
33 41 13 00-0449 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	473.08	
33 41 13 00-0450 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	662.00	
33 41 13 00-0451 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,020.93	
33 41 13 00-0452 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,181.32	
33 41 13 00-0453 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,377.06	
33 41 13 00-0454 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,036.15	
33 41 13 00-0455 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay <small>(33 41 13 00-0442)</small>		
33 41 13 00-0456 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	79.49	
33 41 13 00-0457 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	108.69	
33 41 13 00-0458 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	142.81	
33 41 13 00-0459 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	184.47	
33 41 13 00-0460 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	229.77	
33 41 13 00-0461 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	533.21	
33 41 13 00-0462 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	767.71	
33 41 13 00-0463 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,474.00	
33 41 13 00-0464 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,507.90	
33 41 13 00-0465 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,689.15	
33 41 13 00-0466 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,474.17	
33 41 13 00-0467 Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 41 13 00-0416)</small>		
33 41 13 00-0468 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay <small>(33 41 13 00-0467)</small>		
33 41 13 00-0469 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	77.33	
33 41 13 00-0470 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	99.96	
33 41 13 00-0471 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	133.61	
33 41 13 00-0472 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	173.60	
33 41 13 00-0473 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	217.36	

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 41	13 00-0474	EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	481.50	
33 41	13 00-0475	EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	670.90	
33 41	13 00-0476	EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	964.96	
33 41	13 00-0477	EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,337.48	
33 41	13 00-0478	EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,422.44	
33 41	13 00-0479	EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,030.86	
33 41	13 00-0480	Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 41 13 00-0467)		
33 41	13 00-0481	EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	94.26	
33 41	13 00-0482	EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	127.30	
33 41	13 00-0483	EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	165.55	
33 41	13 00-0484	EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	211.03	
33 41	13 00-0485	EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	261.06	
33 41	13 00-0486	EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	585.38	
33 41	13 00-0487	EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	839.20	
33 41	13 00-0488	EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,239.48	
33 41	13 00-0489	EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,638.15	
33 41	13 00-0490	EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,898.87	
33 41	13 00-0491	EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	2,678.73	
33 41	13 00-0492	Vitrified Clay Couplings (33 41 13 00-0390)		
33 41	13 00-0493	Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 41 13 00-0492)		
		Note: Stainless steel tightening band at each end (Fenoco #1002)		
33 41	13 00-0494	EA 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	27.30	
33 41	13 00-0495	EA 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	27.02	
33 41	13 00-0496	EA 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	37.88	
33 41	13 00-0497	EA 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	35.59	
33 41	13 00-0498	EA 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	46.66	
33 41	13 00-0499	EA 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	48.66	
33 41	13 00-0500	EA 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	44.25	
33 41	13 00-0501	EA 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	65.02	
33 41	13 00-0502	EA 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	59.98	
33 41	13 00-0503	EA 10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	85.64	
33 41	13 00-0504	EA 10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	77.86	
33 41	13 00-0505	EA 12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	106.87	
33 41	13 00-0506	EA 12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	89.00	
33 41	13 00-0507	EA 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	182.26	
33 41	13 00-0508	EA 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling.....	139.67	
33 41	13 00-0509	Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 41 13 00-0492)		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41	13 00-0510	EA 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	40.49	
33 41	13 00-0511	EA 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	53.38	
33 41	13 00-0512	EA 6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	56.20	
33 41	13 00-0513	EA 8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	58.93	
33 41	13 00-0514	EA 10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	72.05	
33 41	13 00-0515	EA 12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling.....	83.16	
33 41	13 00-0516	Vitrified Clay To Plastic Pipe Non-Shear Couplings (33 41 13 00-0492)		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 41	13 00-0517	EA 4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	41.43	
33 41	13 00-0518	EA 6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	54.32	
33 41	13 00-0519	EA 6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	50.11	
33 41	13 00-0520	EA 8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	64.60	
33 41	13 00-0521	EA 10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	91.90	
33 41	13 00-0522	EA 12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling.....	103.55	
33 41	13 00-0523	Corrugated Metal Piping (33 41 13)		
33 41	13 00-0524	Galvanized Corrugated Steel Piping (33 41 13 00-0523)		
33 41	13 00-0525	2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0524)		
33 41	13 00-0526	16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0525)		
33 41	13 00-0527	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	25.02	7.74
		For Bituminous Coated Pipe, Add	2.17	
		For Bituminous Coated And 25% Paved, Add	4.43	
		For Smooth-Flo, Add	7.91	
33 41	13 00-0528	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	27.91	8.10
		For Bituminous Coated Pipe, Add	2.72	
		For Bituminous Coated And 25% Paved, Add	5.57	
		For Smooth-Flo, Add	9.95	
33 41	13 00-0529	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	30.89	8.84
		For Bituminous Coated Pipe, Add	3.30	
		For Bituminous Coated And 25% Paved, Add	6.75	
		For Smooth-Flo, Add	12.06	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0530	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	34.94 3.95 8.08 14.43	9.57
33 41	13 00-0531	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	38.57 4.44 9.09 16.23	10.32
33 41	13 00-0532	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	51.04 5.77 11.80 21.07	13.26
33 41	13 00-0533	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	65.86 7.27 14.87 26.56	16.88
33 41	13 00-0534	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	74.62 8.61 17.60 31.44	19.95
33 41	13 00-0535	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	83.90 9.64 19.72 35.21	23.02
33 41	13 00-0536		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{41 13 00-0525)}</small>		
33 41	13 00-0537	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	26.95 2.20 5.09 10.29	7.74
33 41	13 00-0538	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	30.29 2.76 6.38 12.90	8.10
33 41	13 00-0539	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	33.77 3.34 7.73 15.63	8.84
33 41	13 00-0540	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	38.26 3.97 9.19 18.58	9.57
33 41	13 00-0541	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	42.44 4.49 10.40 21.03	10.32
33 41	13 00-0542	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	55.76 5.77 13.36 27.01	13.26
33 41	13 00-0543	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	71.59 7.23 16.75 33.85	16.88
33 41	13 00-0544	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.18 8.51 19.71 39.85	19.95
33 41	13 00-0545	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	91.41 9.56 22.16 44.78	23.02
33 41	13 00-0546	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	108.77 11.76 27.25 55.08	26.09
33 41	13 00-0547		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping⁽³³⁾ <small>^{41 13 00-0525)}</small>		
33 41	13 00-0548	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	39.73 3.82 6.90 13.26	8.84
33 41	13 00-0549	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	45.19 4.52 8.16 15.68	9.57
33 41	13 00-0550	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	50.33 5.12 9.25 17.77	9.57

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0551 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	65.51	13.26
For Bituminous Coated Pipe, Add	6.51	
For Bituminous Coated And 25% Paved, Add	11.76	
For Smooth-Flo, Add	22.60	
33 41 13 00-0552 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	83.17	16.88
For Bituminous Coated Pipe, Add	8.05	
For Bituminous Coated And 25% Paved, Add	14.54	
For Smooth-Flo, Add	27.94	
33 41 13 00-0553 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	94.56	19.95
For Bituminous Coated Pipe, Add	9.44	
For Bituminous Coated And 25% Paved, Add	17.04	
For Smooth-Flo, Add	32.75	
33 41 13 00-0554 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	106.74	23.02
For Bituminous Coated Pipe, Add	10.65	
For Bituminous Coated And 25% Paved, Add	19.24	
For Smooth-Flo, Add	36.98	
33 41 13 00-0555 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	125.69	26.09
For Bituminous Coated Pipe, Add	12.77	
For Bituminous Coated And 25% Paved, Add	23.07	
For Smooth-Flo, Add	44.33	
33 41 13 00-0556 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	137.37	27.62
For Bituminous Coated Pipe, Add	13.99	
For Bituminous Coated And 25% Paved, Add	25.26	
For Smooth-Flo, Add	48.55	
33 41 13 00-0557 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	166.29	33.77
For Bituminous Coated Pipe, Add	17.03	
For Bituminous Coated And 25% Paved, Add	30.76	
For Smooth-Flo, Add	59.11	
33 41 13 00-0558 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping ⁽³³⁾		
33 41 13 00-0559 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	94.00	16.88
For Bituminous Coated Pipe, Add	10.24	
For Bituminous Coated And 25% Paved, Add	17.11	
For Smooth-Flo, Add	24.41	
33 41 13 00-0560 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	107.23	19.95
For Bituminous Coated Pipe, Add	12.00	
For Bituminous Coated And 25% Paved, Add	20.04	
For Smooth-Flo, Add	28.60	
33 41 13 00-0561 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	121.12	23.02
For Bituminous Coated Pipe, Add	13.56	
For Bituminous Coated And 25% Paved, Add	22.65	
For Smooth-Flo, Add	32.32	
33 41 13 00-0562 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	141.81	26.09
For Bituminous Coated Pipe, Add	16.06	
For Bituminous Coated And 25% Paved, Add	26.83	
For Smooth-Flo, Add	38.28	
33 41 13 00-0563 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	155.30	27.62
For Bituminous Coated Pipe, Add	17.64	
For Bituminous Coated And 25% Paved, Add	29.46	
For Smooth-Flo, Add	42.04	
33 41 13 00-0564 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	186.00	33.77
For Bituminous Coated Pipe, Add	21.10	
For Bituminous Coated And 25% Paved, Add	35.25	
For Smooth-Flo, Add	50.29	
33 41 13 00-0565 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	226.38	49.10
For Bituminous Coated Pipe, Add	22.66	
For Bituminous Coated And 25% Paved, Add	37.85	
For Smooth-Flo, Add	54.00	
33 41 13 00-0566 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 41 13 00-0524)		
33 41 13 00-0567 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping ^(33 41 13 00-0566)		
33 41 13 00-0568 LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	75.80	16.88
For Bituminous Coated Pipe, Add	8.00	
For Bituminous Coated And 25% Paved, Add	18.16	
For Smooth-Flo, Add	36.15	
33 41 13 00-0569 LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	86.01	19.95
For Bituminous Coated Pipe, Add	9.39	
For Bituminous Coated And 25% Paved, Add	21.32	
For Smooth-Flo, Add	42.44	
33 41 13 00-0570 LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	96.73	23.02
For Bituminous Coated Pipe, Add	10.53	
For Bituminous Coated And 25% Paved, Add	23.91	
For Smooth-Flo, Add	47.60	
33 41 13 00-0571 LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	114.88	26.09
For Bituminous Coated Pipe, Add	12.87	
For Bituminous Coated And 25% Paved, Add	29.21	
For Smooth-Flo, Add	58.15	
33 41 13 00-0572 LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	125.16	27.62
For Bituminous Coated Pipe, Add	14.02	
For Bituminous Coated And 25% Paved, Add	31.82	
For Smooth-Flo, Add	63.35	



	Utilities 33	CS
	Storm Drainage Utilities 33 40	
	Storm Utility Drainage Piping 33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0573 LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.13 18.00 40.87 81.38	33.77
33 41 13 00-0574 LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	193.60 19.19 43.56 86.74	49.10
33 41 13 00-0575 LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	209.33 20.38 46.27 92.13	53.71
33 41 13 00-0576 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	222.97 21.57 48.97 97.51	57.55
33 41 13 00-0577 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	236.62 22.77 51.69 102.92	61.38
33 41 13 00-0578 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	250.78 23.96 54.38 108.28	65.22
33 41 13 00-0579 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	267.12 25.16 57.10 113.71	69.06
33 41 13 00-0580 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0566)</small>		
33 41 13 00-0581 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	125.02 14.89 29.19 58.98	26.09
33 41 13 00-0582 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	136.38 16.26 31.87 64.39	27.62
33 41 13 00-0583 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	168.47 20.47 40.13 81.07	33.77
33 41 13 00-0584 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	207.05 21.88 42.88 86.64	49.10
33 41 13 00-0585 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	223.85 23.29 45.64 92.21	53.71
33 41 13 00-0586 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	238.63 24.71 48.42 97.84	57.55
33 41 13 00-0587 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	253.34 26.11 51.18 103.41	61.38
33 41 13 00-0588 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	268.60 27.52 53.94 108.98	65.22
33 41 13 00-0589 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	286.02 28.94 56.71 114.59	69.06
33 41 13 00-0590 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	305.22 30.35 59.49 120.19	76.73
33 41 13 00-0591 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	323.97 31.74 62.21 125.70	84.40
33 41 13 00-0592 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0566)</small>		
33 41 13 00-0593 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	161.26 21.24 40.45 65.94	27.62

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0594 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	196.03	33.77
For Bituminous Coated Pipe, Add	25.98	
For Bituminous Coated And 25% Paved, Add	49.50	
For Smooth-Flo, Add	80.68	
33 41 13 00-0595 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	237.01	49.10
For Bituminous Coated Pipe, Add	27.87	
For Bituminous Coated And 25% Paved, Add	53.10	
For Smooth-Flo, Add	86.54	
33 41 13 00-0596 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	256.24	53.71
For Bituminous Coated Pipe, Add	29.76	
For Bituminous Coated And 25% Paved, Add	56.70	
For Smooth-Flo, Add	92.42	
33 41 13 00-0597 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	273.43	57.55
For Bituminous Coated Pipe, Add	31.67	
For Bituminous Coated And 25% Paved, Add	60.32	
For Smooth-Flo, Add	98.32	
33 41 13 00-0598 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	290.56	61.38
For Bituminous Coated Pipe, Add	33.56	
For Bituminous Coated And 25% Paved, Add	63.93	
For Smooth-Flo, Add	104.20	
33 41 13 00-0599 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	308.28	65.22
For Bituminous Coated Pipe, Add	35.46	
For Bituminous Coated And 25% Paved, Add	67.54	
For Smooth-Flo, Add	110.09	
33 41 13 00-0600 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	328.12	69.06
For Bituminous Coated Pipe, Add	37.36	
For Bituminous Coated And 25% Paved, Add	71.16	
For Smooth-Flo, Add	115.99	
33 41 13 00-0601 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	349.71	76.73
For Bituminous Coated Pipe, Add	39.25	
For Bituminous Coated And 25% Paved, Add	74.77	
For Smooth-Flo, Add	121.87	
33 41 13 00-0602 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	370.90	84.40
For Bituminous Coated Pipe, Add	41.13	
For Bituminous Coated And 25% Paved, Add	78.35	
For Smooth-Flo, Add	127.70	
33 41 13 00-0603 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	391.24	92.08
For Bituminous Coated Pipe, Add	43.03	
For Bituminous Coated And 25% Paved, Add	81.97	
For Smooth-Flo, Add	133.61	
33 41 13 00-0604 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0566)		
33 41 13 00-0605 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	264.95	49.10
For Bituminous Coated Pipe, Add	33.46	
For Bituminous Coated And 25% Paved, Add	63.57	
For Smooth-Flo, Add	84.99	
33 41 13 00-0606 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	286.47	53.71
For Bituminous Coated Pipe, Add	35.81	
For Bituminous Coated And 25% Paved, Add	68.04	
For Smooth-Flo, Add	90.96	
33 41 13 00-0607 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	305.95	57.55
For Bituminous Coated Pipe, Add	38.17	
For Bituminous Coated And 25% Paved, Add	72.52	
For Smooth-Flo, Add	96.95	
33 41 13 00-0608 LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	325.38	61.38
For Bituminous Coated Pipe, Add	40.52	
For Bituminous Coated And 25% Paved, Add	76.99	
For Smooth-Flo, Add	102.93	
33 41 13 00-0609 LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	345.39	65.22
For Bituminous Coated Pipe, Add	42.88	
For Bituminous Coated And 25% Paved, Add	81.47	
For Smooth-Flo, Add	108.91	
33 41 13 00-0610 LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	367.53	69.06
For Bituminous Coated Pipe, Add	45.24	
For Bituminous Coated And 25% Paved, Add	85.95	
For Smooth-Flo, Add	114.90	
33 41 13 00-0611 LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	391.40	76.73
For Bituminous Coated Pipe, Add	47.59	
For Bituminous Coated And 25% Paved, Add	90.42	
For Smooth-Flo, Add	120.87	
33 41 13 00-0612 LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	414.87	84.40
For Bituminous Coated Pipe, Add	49.92	
For Bituminous Coated And 25% Paved, Add	94.85	
For Smooth-Flo, Add	126.80	
33 41 13 00-0613 LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	437.52	92.08
For Bituminous Coated Pipe, Add	52.29	
For Bituminous Coated And 25% Paved, Add	99.34	
For Smooth-Flo, Add	132.81	
33 41 13 00-0614 LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	461.59	99.75
For Bituminous Coated Pipe, Add	54.63	
For Bituminous Coated And 25% Paved, Add	103.79	
For Smooth-Flo, Add	138.76	



	Utilities 33	
	Storm Drainage Utilities 33 40	33
	Storm Utility Drainage Piping 33 41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0615	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	487.62 56.99 108.28 144.75	107.42
33 41	13 00-0616	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	515.98 59.35 112.77 150.75	115.10
33 41	13 00-0617		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0524)		
33 41	13 00-0618		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0617)		
33 41	13 00-0619	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	97.03 13.24 30.19 47.93	23.02
33 41	13 00-0620	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	115.44 16.22 36.99 58.73	26.09
33 41	13 00-0621	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	125.66 17.65 40.23 63.87	27.62
33 41	13 00-0622	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	154.96 22.21 50.64 80.41	33.77
33 41	13 00-0623	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	192.30 23.66 53.95 85.66	49.10
33 41	13 00-0624	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	207.85 25.11 57.25 90.89	53.71
33 41	13 00-0625	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	221.28 26.55 60.52 96.09	57.55
33 41	13 00-0626	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	234.68 27.98 63.79 101.28	61.38
33 41	13 00-0627	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	248.73 29.43 67.11 106.55	65.22
33 41	13 00-0628	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	265.03 30.92 70.50 111.94	69.06
33 41	13 00-0629		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0617)		
33 41	13 00-0630	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	128.12 15.51 36.46 66.01	26.09
33 41	13 00-0631	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	139.75 16.93 39.79 72.05	27.62
33 41	13 00-0632	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	170.34 20.85 48.99 88.70	33.77
33 41	13 00-0633	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	208.91 22.25 52.29 94.68	49.10
33 41	13 00-0634	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	225.96 23.71 55.71 100.88	53.71
33 41	13 00-0635	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	240.81 25.14 59.08 106.98	57.55

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0636	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	254.91 26.43 62.11 112.45	61.38
33 41	13 00-0637	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.01 28.00 65.80 119.15	65.22
33 41	13 00-0638	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	288.50 29.43 69.17 125.23	69.06
33 41	13 00-0639	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	307.70 30.85 72.49 131.26	76.73
33 41	13 00-0640	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	326.76 32.30 75.91 137.44	84.40
33 41	13 00-0641		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0617)</small>		
33 41	13 00-0642	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	166.14 22.21 42.20 76.19	27.62
33 41	13 00-0643	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	199.40 26.66 50.65 91.44	33.77
33 41	13 00-0644	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	240.74 28.62 54.37 98.16	49.10
33 41	13 00-0645	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	260.24 30.56 58.07 104.83	53.71
33 41	13 00-0646	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	277.56 32.49 61.73 111.45	57.55
33 41	13 00-0647	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	295.01 34.45 65.45 118.16	61.38
33 41	13 00-0648	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	312.95 36.39 69.14 124.82	65.22
33 41	13 00-0649	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	332.98 38.33 72.82 131.47	69.06
33 41	13 00-0650	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	354.88 40.28 76.54 138.17	76.73
33 41	13 00-0651	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	376.39 42.23 80.23 144.84	84.40
33 41	13 00-0652	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	396.93 44.17 83.92 151.50	92.08
33 41	13 00-0653		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0617)</small>		
33 41	13 00-0654	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.22 34.71 65.96 103.62	49.10
33 41	13 00-0655	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	293.55 37.23 70.73 111.12	53.71
33 41	13 00-0656	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	313.53 39.69 75.40 118.46	57.55



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0657	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	333.38	61.38
		<i>For Bituminous Coated Pipe, Add</i>	42.12	
		<i>For Bituminous Coated And 25% Paved, Add</i>	80.03	
		<i>For Smooth-Flo, Add</i>	125.73	
33 41 13 00-0658	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	353.93	65.22
		<i>For Bituminous Coated Pipe, Add</i>	44.59	
		<i>For Bituminous Coated And 25% Paved, Add</i>	84.71	
		<i>For Smooth-Flo, Add</i>	133.09	
33 41 13 00-0659	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	376.47	69.06
		<i>For Bituminous Coated Pipe, Add</i>	47.03	
		<i>For Bituminous Coated And 25% Paved, Add</i>	89.35	
		<i>For Smooth-Flo, Add</i>	140.37	
33 41 13 00-0660	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	400.89	76.73
		<i>For Bituminous Coated Pipe, Add</i>	49.49	
		<i>For Bituminous Coated And 25% Paved, Add</i>	94.02	
		<i>For Smooth-Flo, Add</i>	147.72	
33 41 13 00-0661	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	424.96	84.40
		<i>For Bituminous Coated Pipe, Add</i>	51.94	
		<i>For Bituminous Coated And 25% Paved, Add</i>	98.69	
		<i>For Smooth-Flo, Add</i>	155.04	
33 41 13 00-0662	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	447.99	92.08
		<i>For Bituminous Coated Pipe, Add</i>	54.38	
		<i>For Bituminous Coated And 25% Paved, Add</i>	103.32	
		<i>For Smooth-Flo, Add</i>	162.32	
33 41 13 00-0663	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	476.47	99.75
		<i>For Bituminous Coated Pipe, Add</i>	57.60	
		<i>For Bituminous Coated And 25% Paved, Add</i>	109.45	
		<i>For Smooth-Flo, Add</i>	171.95	
33 41 13 00-0664	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	503.98	107.42
		<i>For Bituminous Coated Pipe, Add</i>	60.26	
		<i>For Bituminous Coated And 25% Paved, Add</i>	114.49	
		<i>For Smooth-Flo, Add</i>	179.88	
33 41 13 00-0665	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	534.33	115.10
		<i>For Bituminous Coated Pipe, Add</i>	63.02	
		<i>For Bituminous Coated And 25% Paved, Add</i>	119.74	
		<i>For Smooth-Flo, Add</i>	188.12	
33 41 13 00-0666		Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0666)</small>		
33 41 13 00-0667		16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0666)</small>		
33 41 13 00-0668	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	34.76	8.84
		<i>For Bituminous Coated Pipe, Add</i>	4.08	
33 41 13 00-0669	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	39.48	9.57
		<i>For Bituminous Coated Pipe, Add</i>	4.86	
33 41 13 00-0670	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	43.90	10.32
		<i>For Bituminous Coated Pipe, Add</i>	5.52	
33 41 13 00-0671	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	57.73	13.26
		<i>For Bituminous Coated Pipe, Add</i>	7.11	
33 41 13 00-0672	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	74.07	16.88
		<i>For Bituminous Coated Pipe, Add</i>	8.91	
33 41 13 00-0673	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	84.17	19.95
		<i>For Bituminous Coated Pipe, Add</i>	10.51	
33 41 13 00-0674	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	94.85	23.02
		<i>For Bituminous Coated Pipe, Add</i>	11.83	
33 41 13 00-0675	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	112.74	26.09
		<i>For Bituminous Coated Pipe, Add</i>	14.49	
33 41 13 00-0676	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	122.98	27.62
		<i>For Bituminous Coated Pipe, Add</i>	15.82	
33 41 13 00-0677		14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping <small>(33 41 13 00-0666)</small>		
33 41 13 00-0678	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	37.68	8.84
		<i>For Bituminous Coated Pipe, Add</i>	4.72	
33 41 13 00-0679	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	42.90	9.57
		<i>For Bituminous Coated Pipe, Add</i>	5.61	
33 41 13 00-0680	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	47.79	10.32
		<i>For Bituminous Coated Pipe, Add</i>	6.37	
33 41 13 00-0681	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	62.57	13.26
		<i>For Bituminous Coated Pipe, Add</i>	8.17	
33 41 13 00-0682	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	79.89	16.88
		<i>For Bituminous Coated Pipe, Add</i>	10.18	
33 41 13 00-0683	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	90.98	19.95
		<i>For Bituminous Coated Pipe, Add</i>	11.99	
33 41 13 00-0684	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	102.62	23.02
		<i>For Bituminous Coated Pipe, Add</i>	13.53	
33 41 13 00-0685	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	121.49	26.09
		<i>For Bituminous Coated Pipe, Add</i>	16.39	
33 41 13 00-0686	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	132.72	27.62
		<i>For Bituminous Coated Pipe, Add</i>	17.93	
33 41 13 00-0687	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	162.56	33.77
		<i>For Bituminous Coated Pipe, Add</i>	22.28	
33 41 13 00-0688	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	200.71	49.10
		<i>For Bituminous Coated Pipe, Add</i>	23.81	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0689 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	217.20 25.36	53.71
33 41 13 00-0690 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 41 13 00-0666)		
33 41 13 00-0691 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	72.37 8.54	13.26
33 41 13 00-0692 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	91.60 10.54	16.88
33 41 13 00-0693 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	104.69 12.40	19.95
33 41 13 00-0694 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	118.27 14.02	23.02
33 41 13 00-0695 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	139.11 16.74	26.09
33 41 13 00-0696 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	152.32 18.38	27.62
33 41 13 00-0697 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	184.07 22.29	33.77
33 41 13 00-0698 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	224.15 23.91	49.10
33 41 13 00-0699 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	242.57 25.54	53.71
33 41 13 00-0700 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	258.86 27.17	57.55
33 41 13 00-0701 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	275.12 28.79	61.38
33 41 13 00-0702 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	291.94 30.42	65.22
33 41 13 00-0703 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	309.92 31.86	69.06
33 41 13 00-0704 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0524)		
33 41 13 00-0705 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0704)		
33 41 13 00-0706 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.09 1.04	4.42
33 41 13 00-0707 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.96 1.25	4.42
33 41 13 00-0708 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.35 1.38	5.52
33 41 13 00-0709 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.46 1.65	5.52
33 41 13 00-0710 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.67 1.73	6.63
33 41 13 00-0711 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.08 2.08	6.63
33 41 13 00-0712 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 41 13 00-0704)		
33 41 13 00-0713 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	13.22 1.03	4.42
33 41 13 00-0714 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	14.06 1.23	4.42
33 41 13 00-0715 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	16.47 1.35	5.52
33 41 13 00-0716 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	17.65 1.63	5.52
33 41 13 00-0717 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.88 1.71	6.63
33 41 13 00-0718 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	22.32 2.05	6.63
33 41 13 00-0719 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 41 13 00-0704)		
33 41 13 00-0720 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	6.44 1.45	
33 41 13 00-0721 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	8.52 1.92	
33 41 13 00-0722 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	10.45 2.35	
33 41 13 00-0723 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.22 3.20	
33 41 13 00-0724 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	6.18 0.73	
33 41 13 00-0725 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	7.66 1.10	
33 41 13 00-0726 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 41 13 00-0524)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0727 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 41)		
13 00-0726)		
33 41 13 00-0728 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	37.80	7.74
33 41 13 00-0729 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	44.02	8.10
33 41 13 00-0730 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	50.43	8.84
33 41 13 00-0731 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	58.28	9.57
33 41 13 00-0732 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	64.88	10.32
33 41 13 00-0733 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	85.11	13.26
33 41 13 00-0734 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	108.89	16.88
33 41 13 00-0735 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	125.51	19.95
33 41 13 00-0736 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	140.92	23.02
 33 41 13 00-0737 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 41)		
13 00-0726)		
33 41 13 00-0738 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	42.50	7.74
33 41 13 00-0739 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	49.85	8.10
33 41 13 00-0740 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	57.41	8.84
33 41 13 00-0741 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	66.36	9.57
33 41 13 00-0742 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	74.26	10.32
33 41 13 00-0743 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	96.63	13.26
33 41 13 00-0744 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	122.80	16.88
33 41 13 00-0745 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	141.47	19.95
33 41 13 00-0746 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	159.13	23.02
33 41 13 00-0747 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	192.07	26.09
 33 41 13 00-0748 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 41)		
13 00-0726)		
33 41 13 00-0749 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	71.95	8.84
33 41 13 00-0750 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	83.34	9.57
33 41 13 00-0751 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	93.57	10.32
33 41 13 00-0752 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	120.75	13.26
33 41 13 00-0753 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	145.83	16.88
33 41 13 00-0754 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	175.21	19.95
33 41 13 00-0755 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	197.64	23.02
33 41 13 00-0756 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	236.01	26.09
33 41 13 00-0757 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	257.86	27.62
33 41 13 00-0758 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	315.53	33.77
 33 41 13 00-0759 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping ^(33 41)		
13 00-0726)		
33 41 13 00-0760 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	178.18	16.88
33 41 13 00-0761 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	205.95	19.95
33 41 13 00-0762 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	232.56	23.02
33 41 13 00-0763 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	275.13	26.09
33 41 13 00-0764 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	301.40	27.62
33 41 13 00-0765 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	363.35	33.77
33 41 13 00-0766 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	416.33	49.10
 33 41 13 00-0767 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 41 13 00-0524)		
 33 41 13 00-0768 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 41 13 00-0767)		
33 41 13 00-0769 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	135.59	16.88
33 41 13 00-0770 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	156.30	19.95
33 41 13 00-0771 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	175.44	23.02
33 41 13 00-0772 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	211.71	26.09
33 41 13 00-0773 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	230.52	27.62
33 41 13 00-0774 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	292.64	33.77
33 41 13 00-0775 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	338.92	49.10
33 41 13 00-0776 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	363.43	53.71
33 41 13 00-0777 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	385.90	57.55
33 41 13 00-0778 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	408.38	61.38
33 41 13 00-0779 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	431.34	65.22
33 41 13 00-0780 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	456.55	69.06
 33 41 13 00-0781 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping ^(33 41 13 00-0767)		
33 41 13 00-0782 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	236.85	26.09
33 41 13 00-0783 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	258.31	27.62
33 41 13 00-0784 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	323.25	33.77
33 41 13 00-0785 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	372.22	49.10
33 41 13 00-0786 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	399.45	53.71
33 41 13 00-0787 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	424.74	57.55
33 41 13 00-0788 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	449.86	61.38
33 41 13 00-0789 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	475.53	65.22
33 41 13 00-0790 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	503.47	69.06
33 41 13 00-0791 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	533.13	76.73
33 41 13 00-0792 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	562.15	84.40

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0793	12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0767)</small>		
33 41 13 00-0794	LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	321.55	27.62
33 41 13 00-0795	LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	393.60	33.77
33 41 13 00-0796	LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	448.67	49.10
33 41 13 00-0797	LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	482.03	53.71
33 41 13 00-0798	LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	513.41	57.55
33 41 13 00-0799	LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	544.67	61.38
33 41 13 00-0800	LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	576.52	65.22
33 41 13 00-0801	LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	610.56	69.06
33 41 13 00-0802	LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	646.27	76.73
33 41 13 00-0803	LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	681.50	84.40
33 41 13 00-0804	LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	716.04	92.08
33 41 13 00-0805	10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0767)</small>		
33 41 13 00-0806	LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	518.33	49.10
33 41 13 00-0807	LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	557.36	53.71
33 41 13 00-0808	LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	594.47	57.55
33 41 13 00-0809	LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	631.43	61.38
33 41 13 00-0810	LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	669.01	65.22
33 41 13 00-0811	LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	708.76	69.06
33 41 13 00-0812	LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	750.19	76.73
33 41 13 00-0813	LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	791.11	84.40
33 41 13 00-0814	LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	831.37	92.08
33 41 13 00-0815	LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	872.94	99.75
33 41 13 00-0816	LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	916.58	107.42
33 41 13 00-0817	LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	962.57	115.10
33 41 13 00-0818	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0624)</small>		
33 41 13 00-0819	16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0818)</small>		
33 41 13 00-0820	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	170.02	23.02
33 41 13 00-0821	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	205.74	26.09
33 41 13 00-0822	LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	223.68	27.62
33 41 13 00-0823	LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	279.93	33.77
33 41 13 00-0824	LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	325.18	49.10
33 41 13 00-0825	LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	348.60	53.71
33 41 13 00-0826	LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	369.85	57.55
33 41 13 00-0827	LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	391.03	61.38
33 41 13 00-0828	LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	412.98	65.22
33 41 13 00-0829	LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	437.43	69.06
33 41 13 00-0830	14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0818)</small>		
33 41 13 00-0831	LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	235.61	26.09
33 41 13 00-0832	LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	256.95	27.62
33 41 13 00-0833	LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	316.21	33.77
33 41 13 00-0834	LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	364.38	49.10
33 41 13 00-0835	LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	391.35	53.71
33 41 13 00-0836	LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	415.92	57.55
33 41 13 00-0837	LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	438.77	61.38
33 41 13 00-0838	LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	465.56	65.22
33 41 13 00-0839	LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	492.79	69.06
33 41 13 00-0840	LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	521.60	76.73
33 41 13 00-0841	LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	550.54	84.40
33 41 13 00-0842	12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0818)</small>		
33 41 13 00-0843	LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	323.62	27.62
33 41 13 00-0844	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	389.98	33.77
33 41 13 00-0845	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	445.12	49.10
33 41 13 00-0846	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	478.21	53.71
33 41 13 00-0847	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	509.04	57.55
33 41 13 00-0848	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	540.21	61.38
33 41 13 00-0849	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	571.77	65.22
33 41 13 00-0850	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	605.34	69.06
33 41 13 00-0851	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	640.96	76.73
33 41 13 00-0852	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	676.08	84.40
33 41 13 00-0853	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	710.21	92.08
33 41 13 00-0854	10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping <small>(33 41 13 00-0818)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0855 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	518.30	49.10
33 41 13 00-0856 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	558.20	53.71
33 41 13 00-0857 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	595.43	57.55
33 41 13 00-0858 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	632.37	61.38
33 41 13 00-0859 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	670.12	65.22
33 41 13 00-0860 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	709.81	69.06
33 41 13 00-0861 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	751.42	76.73
33 41 13 00-0862 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	792.68	84.40
33 41 13 00-0863 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	832.85	92.08
33 41 13 00-0864 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	883.89	99.75
33 41 13 00-0865 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	930.04	107.42
33 41 13 00-0866 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	979.71	115.10
33 41 13 00-0867 Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0523)</small>		
33 41 13 00-0868 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0867)</small>		
33 41 13 00-0869 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0868)</small>		
33 41 13 00-0870 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	28.56	8.10
For Bituminous Coated Pipe, Add	2.97	
For Bituminous Coated And 25% Paved, Add	7.17	
For Smooth-Flo, Add	11.83	
33 41 13 00-0871 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	31.48	8.84
For Bituminous Coated Pipe, Add	3.54	
For Bituminous Coated And 25% Paved, Add	8.57	
For Smooth-Flo, Add	14.13	
33 41 13 00-0872 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	35.75	9.57
For Bituminous Coated Pipe, Add	4.27	
For Bituminous Coated And 25% Paved, Add	10.31	
For Smooth-Flo, Add	17.01	
33 41 13 00-0873 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	39.94	10.32
For Bituminous Coated Pipe, Add	4.91	
For Bituminous Coated And 25% Paved, Add	11.88	
For Smooth-Flo, Add	19.59	
33 41 13 00-0874 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	52.27	13.26
For Bituminous Coated Pipe, Add	6.24	
For Bituminous Coated And 25% Paved, Add	15.09	
For Smooth-Flo, Add	24.88	
33 41 13 00-0875 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	68.13	16.88
For Bituminous Coated Pipe, Add	8.05	
For Bituminous Coated And 25% Paved, Add	19.46	
For Smooth-Flo, Add	32.09	
33 41 13 00-0876 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0868)</small>		
33 41 13 00-0877 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	30.97	8.10
For Bituminous Coated Pipe, Add	3.08	
For Bituminous Coated And 25% Paved, Add	7.20	
For Smooth-Flo, Add	11.81	
33 41 13 00-0878 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	34.42	8.84
For Bituminous Coated Pipe, Add	3.69	
For Bituminous Coated And 25% Paved, Add	8.64	
For Smooth-Flo, Add	14.17	
33 41 13 00-0879 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	39.03	9.57
For Bituminous Coated Pipe, Add	4.39	
For Bituminous Coated And 25% Paved, Add	10.27	
For Smooth-Flo, Add	16.84	
33 41 13 00-0880 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	43.74	10.32
For Bituminous Coated Pipe, Add	5.06	
For Bituminous Coated And 25% Paved, Add	11.84	
For Smooth-Flo, Add	19.41	
33 41 13 00-0881 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	57.01	13.26
For Bituminous Coated Pipe, Add	6.41	
For Bituminous Coated And 25% Paved, Add	14.99	
For Smooth-Flo, Add	24.59	
33 41 13 00-0882 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	73.77	16.88
For Bituminous Coated Pipe, Add	8.16	
For Bituminous Coated And 25% Paved, Add	19.09	
For Smooth-Flo, Add	31.32	
33 41 13 00-0883 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	84.28	19.95
For Bituminous Coated Pipe, Add	9.72	
For Bituminous Coated And 25% Paved, Add	22.75	
For Smooth-Flo, Add	37.31	
33 41 13 00-0884 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0868)</small>		
33 41 13 00-0885 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	44.04	9.21
For Bituminous Coated Pipe, Add	3.99	
For Bituminous Coated And 25% Paved, Add	8.89	
For Smooth-Flo, Add	13.66	

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0886 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	49.99 4.74 10.54 16.21	9.97
33 41 13 00-0887 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	55.96 5.43 12.09 18.59	10.75
33 41 13 00-0888 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	72.59 6.84 15.22 23.41	13.81
33 41 13 00-0889 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.28 8.56 19.05 29.29	16.88
33 41 13 00-0890 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	97.57 10.12 22.53 34.64	19.95
33 41 13 00-0891 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	113.46 12.00 26.72 41.08	23.02
33 41 13 00-0892 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.17 13.26 29.50 45.36	26.09
33 41 13 00-0893 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0886)</small>		
33 41 13 00-0894 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	96.12 10.31 21.71 27.38	16.88
33 41 13 00-0895 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	110.20 12.16 25.61 32.30	19.95
33 41 13 00-0896 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.77 14.31 30.13 38.00	23.02
33 41 13 00-0897 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	143.36 15.87 33.41 42.14	26.09
33 41 13 00-0898 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	156.97 17.42 36.68 46.26	27.62
33 41 13 00-0899 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0867)</small>		
33 41 13 00-0900 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0899)</small>		
33 41 13 00-0901 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	127.02 15.29 46.49 52.00	26.09
33 41 13 00-0902 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	138.76 16.74 50.88 56.90	27.62
33 41 13 00-0903 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	171.21 21.02 63.90 71.47	33.77
33 41 13 00-0904 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	210.33 22.54 68.51 76.62	49.10
33 41 13 00-0905 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.05 24.13 73.34 82.03	53.71
33 41 13 00-0906 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	243.74 25.73 78.21 87.48	57.55
33 41 13 00-0907 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	259.36 27.32 83.05 92.88	61.38



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0908	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	275.53 28.91 87.87 98.28	65.22
33 41 13 00-0909		12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0909)</small>		
33 41 13 00-0910	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	163.67 21.72 56.90 67.33	27.62
33 41 13 00-0911	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	198.84 26.55 69.55 82.29	33.77
33 41 13 00-0912	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	240.40 28.55 74.80 88.51	49.10
33 41 13 00-0913	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	260.56 30.63 80.25 94.95	53.71
33 41 13 00-0914	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	278.67 32.71 85.71 101.41	57.55
33 41 13 00-0915	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	296.74 34.79 91.16 107.86	61.38
33 41 13 00-0916	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.33 36.87 96.59 114.28	65.22
33 41 13 00-0917	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.15 38.96 102.08 120.78	69.06
33 41 13 00-0918	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	358.68 41.04 107.54 127.24	76.73
33 41 13 00-0919	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	381.92 43.33 113.53 134.33	84.40
33 41 13 00-0920		10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0920)</small>		
33 41 13 00-0921	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	268.34 34.14 81.25 88.25	49.10
33 41 13 00-0922	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	290.81 36.68 87.29 94.81	53.71
33 41 13 00-0923	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	311.21 39.22 93.35 101.39	57.55
33 41 13 00-0924	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	331.54 41.75 99.37 107.93	61.38
33 41 13 00-0925	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	352.44 44.29 105.41 114.48	65.22
33 41 13 00-0926	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	375.53 46.84 111.47 121.08	69.06
33 41 13 00-0927	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	400.35 49.38 117.52 127.64	76.73
33 41 13 00-0928	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	425.70 52.09 123.97 134.65	84.40

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-0929	LF	142' x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	452.80 55.34 131.71 143.06	92.08
33 41	13 00-0930		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0930)</small>		
33 41	13 00-0931		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0930)</small>		
33 41	13 00-0932	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	243.14 29.10 71.00 90.35	49.10
33 41	13 00-0933	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	263.03 31.12 75.94 96.63	53.71
33 41	13 00-0934	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	280.71 33.12 80.82 102.84	57.55
33 41	13 00-0935	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	298.38 35.12 85.70 109.05	61.38
33 41	13 00-0936	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.68 37.14 90.61 115.31	65.22
33 41	13 00-0937	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	337.27 39.19 95.61 121.67	69.06
33 41	13 00-0938	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	359.57 41.22 100.58 127.99	76.73
33 41	13 00-0939	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	384.14 43.78 106.81 135.92	84.40
33 41	13 00-0940		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 41 13 00-0930)</small>		
33 41	13 00-0941	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	274.07 35.28 79.74 86.62	49.10
33 41	13 00-0942	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	296.43 37.80 85.43 92.80	53.71
33 41	13 00-0943	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.63 40.31 91.09 98.95	57.55
33 41	13 00-0944	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.89 42.82 96.78 105.13	61.38
33 41	13 00-0945	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	357.28 45.26 102.28 111.10	65.22
33 41	13 00-0946	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	380.72 47.88 108.20 117.54	69.06
33 41	13 00-0947	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	405.58 50.42 113.96 123.79	76.73
33 41	13 00-0948	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	432.69 53.49 120.88 131.31	84.40
33 41	13 00-0949	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	457.97 56.38 127.41 138.40	92.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-0950 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0867)</small>		
33 41 13 00-0951 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0950)</small>		
33 41 13 00-0952 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	44.06	8.10
33 41 13 00-0953 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	50.00	8.84
33 41 13 00-0954 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	58.10	9.57
33 41 13 00-0955 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	65.74	10.32
33 41 13 00-0956 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.13	13.26
33 41 13 00-0957 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	110.81	16.88
33 41 13 00-0958 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0950)</small>		
33 41 13 00-0959 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	49.59	8.10
33 41 13 00-0960 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	56.76	8.84
33 41 13 00-0961 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	65.64	9.57
33 41 13 00-0962 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	74.51	10.32
33 41 13 00-0963 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.03	13.26
33 41 13 00-0964 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	123.78	16.88
33 41 13 00-0965 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	143.98	19.95
33 41 13 00-0966 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0950)</small>		
33 41 13 00-0967 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	73.33	8.84
33 41 13 00-0968 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	85.27	9.57
33 41 13 00-0969 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.73	10.32
33 41 13 00-0970 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	123.76	13.26
33 41 13 00-0971 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	157.28	16.88
33 41 13 00-0972 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	182.99	19.95
33 41 13 00-0973 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	215.45	23.02
33 41 13 00-0974 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	239.50	26.09
33 41 13 00-0975 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0950)</small>		
33 41 13 00-0976 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	183.55	16.88
33 41 13 00-0977 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	213.65	19.95
33 41 13 00-0978 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	250.21	23.02
33 41 13 00-0979 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	278.80	26.09
33 41 13 00-0980 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	305.36	27.62
33 41 13 00-0981 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0867)</small>		
33 41 13 00-0982 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0981)</small>		
33 41 13 00-0983 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	241.79	26.09
33 41 13 00-0984 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	264.12	27.62
33 41 13 00-0985 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	329.99	33.77
33 41 13 00-0986 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	380.31	49.10
33 41 13 00-0987 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	409.84	53.71
33 41 13 00-0988 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	437.35	57.55
33 41 13 00-0989 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	464.75	61.38
33 41 13 00-0990 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.75	65.22
33 41 13 00-0991 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0981)</small>		
33 41 13 00-0992 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	327.48	27.62
33 41 13 00-0993 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	400.52	33.77
33 41 13 00-0994 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	457.07	49.10
33 41 13 00-0995 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.72	53.71
33 41 13 00-0996 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	526.38	57.55
33 41 13 00-0997 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	560.00	61.38
33 41 13 00-0998 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	594.09	65.22
33 41 13 00-0999 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	630.50	69.06
33 41 13 00-1000 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	668.57	76.73
33 41 13 00-1001 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	708.90	84.40
33 41 13 00-1002 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0981)</small>		
33 41 13 00-1003 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	526.71	49.10
33 41 13 00-1004 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	568.11	53.71
33 41 13 00-1005 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	607.53	57.55
33 41 13 00-1006 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	646.74	61.38
33 41 13 00-1007 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	686.57	65.22
33 41 13 00-1008 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	728.68	69.06
33 41 13 00-1009 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	772.48	76.73
33 41 13 00-1010 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	818.04	84.40
33 41 13 00-1011 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	869.42	92.08

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 41 13 00-1012	125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-0867)</small>		
33 41 13 00-1013	12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-1012)</small>		
33 41 13 00-1014	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	450.81	49.10
33 41 13 00-1015	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	484.89	53.71
33 41 13 00-1016	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	516.60	57.55
33 41 13 00-1017	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	548.26	61.38
33 41 13 00-1018	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	580.67	65.22
33 41 13 00-1019	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	615.63	69.06
33 41 13 00-1020	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	652.18	76.73
33 41 13 00-1021	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	694.63	84.40
33 41 13 00-1022	10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch <small>(33 41 13 00-1012)</small>		
33 41 13 00-1023	LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	525.09	49.10
33 41 13 00-1024	LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	565.06	53.71
33 41 13 00-1025	LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	602.80	57.55
33 41 13 00-1026	LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	640.69	61.38
33 41 13 00-1027	LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	678.16	65.22
33 41 13 00-1028	LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	719.93	69.06
33 41 13 00-1029	LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	762.67	76.73
33 41 13 00-1030	LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	811.29	84.40
33 41 13 00-1031	LF 142" x 91" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	856.71	92.08
33 41 13 00-1032	Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-0523)</small>		
33 41 13 00-1033	2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1032)</small>		
33 41 13 00-1034	16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1035	LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	26.99	7.74
	For 1/2 Bituminous Coated And 25% Paved, Add	4.41	
33 41 13 00-1036	LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	30.41	8.10
	For 1/2 Bituminous Coated And 25% Paved, Add	5.56	
33 41 13 00-1037	LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.93	8.84
	For 1/2 Bituminous Coated And 25% Paved, Add	6.74	
33 41 13 00-1038	LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	38.56	9.57
	For 1/2 Bituminous Coated And 25% Paved, Add	8.06	
33 41 13 00-1039	LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.66	10.32
	For 1/2 Bituminous Coated And 25% Paved, Add	9.07	
33 41 13 00-1040	LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	56.34	13.26
	For 1/2 Bituminous Coated And 25% Paved, Add	11.77	
33 41 13 00-1041	LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	72.56	16.88
	For 1/2 Bituminous Coated And 25% Paved, Add	14.85	
33 41 13 00-1042	LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	82.53	19.95
	For 1/2 Bituminous Coated And 25% Paved, Add	17.56	
33 41 13 00-1043	LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	92.78	23.02
	For 1/2 Bituminous Coated And 25% Paved, Add	19.68	
33 41 13 00-1044	14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1045	LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	29.38	7.74
	For 1/2 Bituminous Coated And 25% Paved, Add	4.19	
33 41 13 00-1046	LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	33.35	8.10
	For 1/2 Bituminous Coated And 25% Paved, Add	5.26	
33 41 13 00-1047	LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	37.43	8.84
	For 1/2 Bituminous Coated And 25% Paved, Add	6.36	
33 41 13 00-1048	LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	42.63	9.57
	For 1/2 Bituminous Coated And 25% Paved, Add	7.56	
33 41 13 00-1049	LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	47.38	10.32
	For 1/2 Bituminous Coated And 25% Paved, Add	8.56	
33 41 13 00-1050	LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	62.12	13.26
	For 1/2 Bituminous Coated And 25% Paved, Add	11.00	
33 41 13 00-1051	LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.55	16.88
	For 1/2 Bituminous Coated And 25% Paved, Add	13.78	
33 41 13 00-1052	LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	90.58	19.95
	For 1/2 Bituminous Coated And 25% Paved, Add	16.23	
33 41 13 00-1053	LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	101.95	23.02
	For 1/2 Bituminous Coated And 25% Paved, Add	18.23	
33 41 13 00-1054	LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	121.71	26.09
	For 1/2 Bituminous Coated And 25% Paved, Add	22.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1055 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1056 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.81 5.93	8.84
33 41 13 00-1057 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.23 7.01	9.57
33 41 13 00-1058 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.16 7.94	10.32
33 41 13 00-1059 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.32 10.13	13.26
33 41 13 00-1060 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.27 12.57	16.88
33 41 13 00-1061 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.64 14.74	19.95
33 41 13 00-1062 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.41 16.63	23.02
33 41 13 00-1063 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	143.94 20.08	26.09
33 41 13 00-1064 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.19 21.95	27.62
33 41 13 00-1065 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	191.69 27.00	33.77
33 41 13 00-1066 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1033)</small>		
33 41 13 00-1067 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	107.51 13.77	16.88
33 41 13 00-1068 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	123.12 16.14	19.95
33 41 13 00-1069 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	138.99 18.22	23.02
33 41 13 00-1070 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	163.65 21.72	26.09
33 41 13 00-1071 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	179.13 23.82	27.62
33 41 13 00-1072 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	215.78 28.74	33.77
33 41 13 00-1073 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	258.11 30.81	49.10
33 41 13 00-1074 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1032)</small>		
33 41 13 00-1075 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1074)</small>		
33 41 13 00-1076 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	82.97 16.51	16.88
33 41 13 00-1077 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.44 19.38	19.95
33 41 13 00-1078 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.17 21.74	23.02
33 41 13 00-1079 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	126.41 26.55	26.09
33 41 13 00-1080 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.73 28.93	27.62
33 41 13 00-1081 LF 66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	172.27 37.16	33.77
33 41 13 00-1082 LF 72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	210.80 39.60	49.10
33 41 13 00-1083 LF 78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	227.58 42.06	53.71
33 41 13 00-1084 LF 84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	242.30 44.52	57.55
33 41 13 00-1085 LF 90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	257.00 46.98	61.38
33 41 13 00-1086 LF 96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	272.25 49.44	65.22
33 41 13 00-1087 LF 102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	289.67 51.92	69.06
33 41 13 00-1088 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1074)</small>		
33 41 13 00-1089 LF 54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	138.37 23.01	26.09
33 41 13 00-1090 LF 60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	150.94 25.12	27.62
33 41 13 00-1091 LF 66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	186.81 31.62	33.77
33 41 13 00-1092 LF 72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	226.65 33.80	49.10

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 41 13 00-1093	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	244.71	53.71
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.97	
33 41 13 00-1094	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	260.77	57.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.17	
33 41 13 00-1095	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.74	61.38
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	40.34	
33 41 13 00-1096	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	293.26	65.22
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.51	
33 41 13 00-1097	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	311.96	69.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.70	
33 41 13 00-1098	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	332.42	76.73
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.89	
33 41 13 00-1099	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	352.43	84.40
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.04	
33 41 13 00-1100		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		<small>(33 41 13 00-1074)</small>		
33 41 13 00-1101	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	180.32	27.62
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.69	
33 41 13 00-1102	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	219.34	33.77
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.22	
33 41 13 00-1103	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	262.00	49.10
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.21	
33 41 13 00-1104	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	282.94	53.71
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.21	
33 41 13 00-1105	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.84	57.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.23	
33 41 13 00-1106	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	320.68	61.38
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.24	
33 41 13 00-1107	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.06	65.22
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.24	
33 41 13 00-1108	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	361.61	69.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.25	
33 41 13 00-1109	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	384.91	76.73
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.26	
33 41 13 00-1110	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	407.79	84.40
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.24	
33 41 13 00-1111	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	429.83	92.08
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.26	
33 41 13 00-1112		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		<small>(33 41 13 00-1074)</small>		
33 41 13 00-1113	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.98	49.10
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.27	
33 41 13 00-1114	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.57	53.71
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.07	
33 41 13 00-1115	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.18	57.55
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.90	
33 41 13 00-1116	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	361.70	61.38
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.71	
33 41 13 00-1117	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	383.82	65.22
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.53	
33 41 13 00-1118	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	408.10	69.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.36	
33 41 13 00-1119	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	434.06	76.73
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	77.17	
33 41 13 00-1120	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	459.64	84.40
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.95	
33 41 13 00-1121	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	484.41	92.08
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.79	
33 41 13 00-1122	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	510.59	99.75
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.59	
33 41 13 00-1123	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	538.73	107.42
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.41	
33 41 13 00-1124	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	569.21	115.10
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	96.25	
33 41 13 00-1125		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		<small>(33 41 13 00-1032)</small>		
33 41 13 00-1126		16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping		
		<small>(33 41 13 00-1125)</small>		
33 41 13 00-1127	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.56	23.02
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	26.93	
33 41 13 00-1128	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	127.11	26.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.00	
33 41 13 00-1129	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	138.33	27.62
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	35.88	
33 41 13 00-1130	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	170.92	33.77
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.17	
33 41 13 00-1131	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	209.29	49.10
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1132 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	225.90	53.71
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.06	
33 41 13 00-1133 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	240.36	57.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.99	
33 41 13 00-1134 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	254.78	61.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.90	
33 41 13 00-1135 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	269.89	65.22
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.86	
33 41 13 00-1136 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	287.26	69.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.89	
33 41 13 00-1137 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <i>(33 41 13 00-1125)</i>		
33 41 13 00-1138 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	142.05	26.09
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	31.11	
33 41 13 00-1139 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	154.99	27.62
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	33.97	
33 41 13 00-1140 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	189.06	33.77
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.80	
33 41 13 00-1141 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	228.92	49.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.63	
33 41 13 00-1142 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	247.27	53.71
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.55	
33 41 13 00-1143 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	263.40	57.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	50.42	
33 41 13 00-1144 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	278.67	61.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.01	
33 41 13 00-1145 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	296.16	65.22
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.15	
33 41 13 00-1146 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	314.95	69.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	59.03	
33 41 13 00-1147 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	335.43	76.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.87	
33 41 13 00-1148 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	355.80	84.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.78	
33 41 13 00-1149 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <i>(33 41 13 00-1125)</i>		
33 41 13 00-1150 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	186.12	27.62
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.48	
33 41 13 00-1151 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	223.38	33.77
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	44.98	
33 41 13 00-1152 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	266.50	49.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	48.29	
33 41 13 00-1153 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	287.73	53.71
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.57	
33 41 13 00-1154 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	306.81	57.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	54.83	
33 41 13 00-1155 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	326.03	61.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.13	
33 41 13 00-1156 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	345.70	65.22
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.40	
33 41 13 00-1157 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	367.48	69.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.68	
33 41 13 00-1158 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	391.13	76.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.97	
33 41 13 00-1159 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	414.40	84.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.25	
33 41 13 00-1160 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	436.69	92.08
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	74.53	
33 41 13 00-1161 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping <i>(33 41 13 00-1125)</i>		
33 41 13 00-1162 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	302.48	49.10
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	58.58	
33 41 13 00-1163 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	327.07	53.71
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.82	
33 41 13 00-1164 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	349.27	57.55
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	66.97	
33 41 13 00-1165 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	371.32	61.38
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.09	
33 41 13 00-1166 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	394.05	65.22
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.23	
33 41 13 00-1167 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	418.82	69.06
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.36	
33 41 13 00-1168 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	445.44	76.73
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.51	
33 41 13 00-1169 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	471.71	84.40
<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.64	

33 Utilities
33 40 Storm Drainage Utilities
33 41 Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1170 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	496.95 91.77	92.08
33 41 13 00-1171 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	528.35 97.21	99.75
33 41 13 00-1172 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	558.24 101.69	107.42
33 41 13 00-1173 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	591.06 106.35	115.10
33 41 13 00-1174 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1032)		
33 41 13 00-1175 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1174)		
33 41 13 00-1176 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	37.95	8.84
33 41 13 00-1177 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	43.21	9.57
33 41 13 00-1178 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	48.17	10.32
33 41 13 00-1179 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	63.06	13.26
33 41 13 00-1180 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.45	16.88
33 41 13 00-1181 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	91.63	19.95
33 41 13 00-1182 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	103.36	23.02
33 41 13 00-1183 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	122.34	26.09
33 41 13 00-1184 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	133.64	27.62
33 41 13 00-1185 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1174)		
33 41 13 00-1186 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	41.41	8.84
33 41 13 00-1187 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	47.26	9.57
33 41 13 00-1188 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	52.76	10.32
33 41 13 00-1189 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	68.79	13.26
33 41 13 00-1190 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	87.35	16.88
33 41 13 00-1191 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	99.70	19.95
33 41 13 00-1192 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	112.58	23.02
33 41 13 00-1193 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	132.70	26.09
33 41 13 00-1194 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	145.19	27.62
33 41 13 00-1195 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	176.40	33.77
33 41 13 00-1196 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	215.79	49.10
33 41 13 00-1197 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	233.52	53.71
33 41 13 00-1198 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1174)		
33 41 13 00-1199 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.41	13.26
33 41 13 00-1200 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	101.26	16.88
33 41 13 00-1201 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	116.00	19.95
33 41 13 00-1202 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	131.17	23.02
33 41 13 00-1203 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	153.61	26.09
33 41 13 00-1204 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	168.45	27.62
33 41 13 00-1205 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	201.94	33.77
33 41 13 00-1206 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	243.62	49.10
33 41 13 00-1207 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	263.66	53.71
33 41 13 00-1208 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	281.54	57.55
33 41 13 00-1209 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	299.44	61.38
33 41 13 00-1210 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	317.83	65.22
33 41 13 00-1211 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	337.25	69.06
33 41 13 00-1212 Aluminized Type 2 Corrugated Steel Pipe-Arch (33 41 13 00-0523)		
33 41 13 00-1213 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 41 13 00-1212)		
33 41 13 00-1214 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 41 13 00-1213)		
33 41 13 00-1215 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	31.22 7.18	8.10
33 41 13 00-1216 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	34.65 8.58	8.84
33 41 13 00-1217 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	39.55 10.32	9.57
33 41 13 00-1218 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	44.33 11.89	10.32
33 41 13 00-1219 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	57.85 15.11	13.26
33 41 13 00-1220 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	75.32 19.48	16.88
33 41 13 00-1221 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 41 13 00-1213)		
33 41 13 00-1222 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	34.16 7.44	8.10



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1223	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	38.22 8.91	8.84
33 41 13 00-1224	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	43.57 10.60	9.57
33 41 13 00-1225	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	48.98 12.23	10.32
33 41 13 00-1226	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	63.65 15.49	13.26
33 41 13 00-1227	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	82.23 19.73	16.88
33 41 13 00-1228	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	94.35 23.50	19.95
33 41 13 00-1229		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1213)</small>		
33 41 13 00-1230	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	45.50 8.16	8.84
33 41 13 00-1231	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	52.20 9.70	9.57
33 41 13 00-1232	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	58.76 11.14	10.32
33 41 13 00-1233	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	75.85 14.06	13.26
33 41 13 00-1234	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	96.97 17.68	16.88
33 41 13 00-1235	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	111.55 20.95	19.95
33 41 13 00-1236	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	130.38 24.94	23.02
33 41 13 00-1237	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	145.70 27.50	26.09
33 41 13 00-1238		10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1213)</small>		
33 41 13 00-1239	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	110.21 18.60	16.88
33 41 13 00-1240	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	126.99 21.98	19.95
33 41 13 00-1241	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	147.89 25.96	23.02
33 41 13 00-1242	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	165.50 28.74	26.09
33 41 13 00-1243	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	181.13 31.51	27.62
33 41 13 00-1244		3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1212)</small>		
33 41 13 00-1245		14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1244)</small>		
33 41 13 00-1246	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	140.73 41.30	26.09
33 41 13 00-1247	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	153.75 45.19	27.62
33 41 13 00-1248	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	190.05 56.76	33.77
33 41 13 00-1249	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	230.51 60.85	49.10
33 41 13 00-1250	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	249.68 65.16	53.71
33 41 13 00-1251	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	266.77 69.46	57.55
33 41 13 00-1252	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	283.82 73.76	61.38
33 41 13 00-1253	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	301.44 78.06	65.22
33 41 13 00-1254		12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1244)</small>		
33 41 13 00-1255	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	183.15 51.36	27.62
33 41 13 00-1256	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	222.64 62.77	33.77
33 41 13 00-1257	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	266.00 67.51	49.10
33 41 13 00-1258	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	288.00 72.41	53.71
33 41 13 00-1259	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	308.00 77.35	57.55

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1260 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	327.94 82.27	61.38
33 41 13 00-1261 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	348.40 87.18	65.22
33 41 13 00-1262 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	371.08 92.13	69.06
33 41 13 00-1263 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	395.47 97.05	76.73
33 41 13 00-1264 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	420.78 102.46	84.40
33 41 13 00-1265 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch <small>(33 41 13 00-1244)</small>		
33 41 13 00-1266 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	298.95 73.07	49.10
33 41 13 00-1267 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	323.69 78.51	53.71
33 41 13 00-1268 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	346.39 83.96	57.55
33 41 13 00-1269 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	368.98 89.37	61.38
33 41 13 00-1270 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	393.98 95.46	65.22
33 41 13 00-1271 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	417.54 100.26	69.06
33 41 13 00-1272 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	444.65 105.70	76.73
33 41 13 00-1273 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	472.41 111.50	84.40
33 41 13 00-1274 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	502.43 118.46	92.08
33 41 13 00-1275 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe- Arch <small>(33 41 13 00-1212)</small>		
33 41 13 00-1276 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1275)</small>		
33 41 13 00-1277 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	269.33 66.44	49.10
33 41 13 00-1278 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	291.03 71.06	53.71
33 41 13 00-1279 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	310.54 75.64	57.55
33 41 13 00-1280 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	330.01 80.20	61.38
33 41 13 00-1281 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	350.11 84.80	65.22
33 41 13 00-1282 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	372.54 89.47	69.06
33 41 13 00-1283 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	396.68 94.13	76.73
33 41 13 00-1284 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	423.54 99.95	84.40
33 41 13 00-1285 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 41 13 00-1275)</small>		
33 41 13 00-1286 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	305.83 73.70	49.10
33 41 13 00-1287 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	330.46 78.96	53.71
33 41 13 00-1288 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	352.91 84.18	57.55
33 41 13 00-1289 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	375.43 89.44	61.38
33 41 13 00-1290 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	398.03 94.53	65.22
33 41 13 00-1291 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	423.81 99.99	69.06
33 41 13 00-1292 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	450.99 105.33	76.73
33 41 13 00-1293 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	480.84 111.72	84.40
33 41 13 00-1294 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	508.73 117.75	92.08
33 41 13 00-1295 Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-0523)</small>		
33 41 13 00-1296 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1295)</small>		



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1297 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1296)</small>		
33 41 13 00-1298 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	15.95 1.37	4.42
33 41 13 00-1299 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	20.38 1.85	5.52
33 41 13 00-1300 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	26.32 2.44	6.63
33 41 13 00-1301 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1296)</small>		
33 41 13 00-1302 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	17.52 1.35	4.42
33 41 13 00-1303 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	22.59 1.85	5.52
33 41 13 00-1304 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	29.28 2.45	6.63
33 41 13 00-1305 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1295)</small>		
33 41 13 00-1306 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1305)</small>		
33 41 13 00-1307 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	30.59 2.69	7.74
33 41 13 00-1308 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	34.88 3.37	8.10
33 41 13 00-1309 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	39.40 4.10	8.84
33 41 13 00-1310 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	45.06 4.89	9.57
33 41 13 00-1311 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	50.19 5.55	10.32
33 41 13 00-1312 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1305)</small>		
33 41 13 00-1313 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	33.95 2.63	7.74
33 41 13 00-1314 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	39.16 3.31	8.10
33 41 13 00-1315 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	44.53 4.01	8.84
33 41 13 00-1316 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	51.01 4.76	9.57
33 41 13 00-1317 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	57.02 5.41	10.32
33 41 13 00-1318 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	74.38 6.93	13.26
33 41 13 00-1319 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	94.46 8.62	16.88
33 41 13 00-1320 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1305)</small>		
33 41 13 00-1321 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	70.07 5.14	10.32
33 41 13 00-1322 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	90.63 6.53	13.26
33 41 13 00-1323 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	113.98 8.05	16.88
33 41 13 00-1324 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	130.99 9.47	19.95
33 41 13 00-1325 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	148.13 10.72	23.02
33 41 13 00-1326 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	174.00 12.72	26.09
33 41 13 00-1327 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <small>(33 41 13 00-1305)</small>		
33 41 13 00-1328 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	134.77 7.92	16.88
33 41 13 00-1329 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	155.22 9.29	19.95
33 41 13 00-1330 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	175.89 10.55	23.02
33 41 13 00-1331 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	205.23 12.37	26.09

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41	13 00-1332	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe..... <i>For Bituminous Coated Pipe, Add</i>	225.53 13.64	27.62
33 41	13 00-1333		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 41 13 00-1295)		
33 41	13 00-1334		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 41 13 00-1333)		
33 41	13 00-1335	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	73.32	13.26
33 41	13 00-1336	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	93.14	16.88
33 41	13 00-1337	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	106.25	19.95
33 41	13 00-1338	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	120.29	23.02
33 41	13 00-1339	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	141.75	26.09
33 41	13 00-1340		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 41 13 00-1333)		
33 41	13 00-1341	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	81.88	13.26
33 41	13 00-1342	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	105.35	16.88
33 41	13 00-1343	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	120.42	19.95
33 41	13 00-1344	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	135.76	23.02
33 41	13 00-1345	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	159.87	26.09
33 41	13 00-1346	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	174.76	27.62
33 41	13 00-1347	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	212.41	33.77
33 41	13 00-1348	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	254.42	49.10
33 41	13 00-1349	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	274.69	53.71
33 41	13 00-1350		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 41 13 00-1333)		
33 41	13 00-1351	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	101.86	13.26
33 41	13 00-1352	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	127.81	16.88
33 41	13 00-1353	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	147.27	19.95
33 41	13 00-1354	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	166.55	23.02
33 41	13 00-1355	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	194.43	26.09
33 41	13 00-1356	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	213.03	27.62
33 41	13 00-1357	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	254.38	33.77
33 41	13 00-1358	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	300.20	49.10
33 41	13 00-1359	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	324.21	53.71
33 41	13 00-1360	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	346.19	57.55
33 41	13 00-1361	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	368.10	61.38
33 41	13 00-1362	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	390.57	65.22
33 41	13 00-1363		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping (33 41 13 00-1333)		
33 41	13 00-1364	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	253.29	27.62
33 41	13 00-1365	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	296.97	33.77
33 41	13 00-1366	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	346.60	49.10
33 41	13 00-1367	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	374.44	53.71
33 41	13 00-1368	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	400.18	57.55
33 41	13 00-1369	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	425.91	61.38
33 41	13 00-1370	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	452.17	65.22
33 41	13 00-1371	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	480.64	69.06
33 41	13 00-1372	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	510.82	76.73
33 41	13 00-1373		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1295)		
			Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 41	13 00-1374		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1373)		
33 41	13 00-1375	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	50.92	8.84
33 41	13 00-1376	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	54.79	9.57
33 41	13 00-1377	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	65.50	10.32
33 41	13 00-1378	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	75.62	11.79
33 41	13 00-1379	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	85.04	13.26
33 41	13 00-1380	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	94.40	14.74
33 41	13 00-1381		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 41 13 00-1373)		
33 41	13 00-1382	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	58.16	8.84
33 41	13 00-1383	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	66.92	9.57
33 41	13 00-1384	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	75.23	10.32
33 41	13 00-1385	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	86.54	11.79
33 41	13 00-1386	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	97.16	13.26
33 41	13 00-1387	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	107.76	14.74
33 41	13 00-1388	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe.....	121.96	16.88



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Storm Drainage Utilities	33 40	
Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1389 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	140.30	19.95
33 41 13 00-1390 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	158.73	23.02
33 41 13 00-1391 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1373)</small>		
33 41 13 00-1392 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	120.85	13.26
33 41 13 00-1393 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.76	14.74
33 41 13 00-1394 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.38	16.88
33 41 13 00-1395 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.47	19.95
33 41 13 00-1396 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	196.64	23.02
33 41 13 00-1397 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	269.75	26.09
33 41 13 00-1398 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	296.75	27.62
33 41 13 00-1399 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping <small>(33 41 13 00-1373)</small>		
33 41 13 00-1400 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.90	23.02
33 41 13 00-1401 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	317.37	26.09
33 41 13 00-1402 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	349.73	27.62
33 41 13 00-1403 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	406.79	33.77
33 41 13 00-1404 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	465.55	49.10
33 41 13 00-1405 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	502.95	53.71
33 41 13 00-1406 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	537.96	57.55
33 41 13 00-1407 Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-0523)</small>		
33 41 13 00-1408 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1407)</small>		
33 41 13 00-1409 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1408)</small>		
33 41 13 00-1410 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	36.40	8.10
<i>For Bituminous Coated Pipe, Add</i>	3.38	
33 41 13 00-1411 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	40.85	8.84
<i>For Bituminous Coated Pipe, Add</i>	4.04	
33 41 13 00-1412 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	46.71	9.57
<i>For Bituminous Coated Pipe, Add</i>	4.80	
33 41 13 00-1413 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1408)</small>		
33 41 13 00-1414 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	40.69	8.10
<i>For Bituminous Coated Pipe, Add</i>	3.37	
33 41 13 00-1415 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	44.96	8.84
<i>For Bituminous Coated Pipe, Add</i>	3.88	
33 41 13 00-1416 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	52.66	9.57
<i>For Bituminous Coated Pipe, Add</i>	4.77	
33 41 13 00-1417 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	59.25	10.32
<i>For Bituminous Coated Pipe, Add</i>	5.47	
33 41 13 00-1418 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	76.61	13.26
<i>For Bituminous Coated Pipe, Add</i>	6.92	
33 41 13 00-1419 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1408)</small>		
33 41 13 00-1420 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	72.31	10.32
<i>For Bituminous Coated Pipe, Add</i>	5.21	
33 41 13 00-1421 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	92.89	13.26
<i>For Bituminous Coated Pipe, Add</i>	6.57	
33 41 13 00-1422 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	117.81	16.88
<i>For Bituminous Coated Pipe, Add</i>	8.20	
33 41 13 00-1423 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	136.04	19.95
<i>For Bituminous Coated Pipe, Add</i>	9.70	
33 41 13 00-1424 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1408)</small>		
33 41 13 00-1425 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	138.57	16.88
<i>For Bituminous Coated Pipe, Add</i>	7.91	
33 41 13 00-1426 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	160.30	19.95
<i>For Bituminous Coated Pipe, Add</i>	9.34	
33 41 13 00-1427 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	186.11	23.02
<i>For Bituminous Coated Pipe, Add</i>	10.94	
33 41 13 00-1428 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	208.59	26.09
<i>For Bituminous Coated Pipe, Add</i>	12.17	
33 41 13 00-1429 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1407)</small>		
33 41 13 00-1430 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch <small>(33 41 13 00-1429)</small>		
33 41 13 00-1431 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	163.23	26.09
33 41 13 00-1432 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	178.66	27.62

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1433 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	217.23	33.77
33 41 13 00-1434 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 41 13 00-1429)		
33 41 13 00-1435 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	197.79	26.09
33 41 13 00-1436 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	216.93	27.62
33 41 13 00-1437 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	259.04	33.77
33 41 13 00-1438 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	305.20	49.10
33 41 13 00-1439 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	329.57	53.71
33 41 13 00-1440 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	351.90	57.55
33 41 13 00-1441 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch (33 41 13 00-1429)		
33 41 13 00-1442 LF 60" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	257.13	27.62
33 41 13 00-1443 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	301.45	33.77
33 41 13 00-1444 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	351.43	49.10
33 41 13 00-1445 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	379.62	53.71
33 41 13 00-1446 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	405.71	57.55
33 41 13 00-1447 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	431.78	61.38
33 41 13 00-1448 Corrugated Steel Pipe Fittings (33 41 13 00-0523) Note: Equivalent pipe-arch sizes are approximate.		
33 41 13 00-1449 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings (33 41 13 00-1446) Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 41 13 00-1450 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	67.05	
33 41 13 00-1451 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	84.09	
33 41 13 00-1452 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	101.12	
33 41 13 00-1453 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	119.23	
33 41 13 00-1454 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	144.78	
33 41 13 00-1455 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	170.31	
33 41 13 00-1456 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	195.87	
33 41 13 00-1457 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	221.40	
33 41 13 00-1458 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	288.47	
33 41 13 00-1459 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	343.82	
33 41 13 00-1460 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	399.17	
33 41 13 00-1461 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	516.27	
33 41 13 00-1462 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	582.27	
33 41 13 00-1463 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	650.40	
33 41 13 00-1464 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	720.65	
33 41 13 00-1465 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	878.19	
33 41 13 00-1466 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	958.02	
33 41 13 00-1467 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,039.97	
33 41 13 00-1468 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,276.29	
33 41 13 00-1469 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,369.98	
33 41 13 00-1470 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,464.71	
33 41 13 00-1471 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,559.44	
33 41 13 00-1472 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,653.11	
33 41 13 00-1473 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,747.86	
33 41 13 00-1474 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,847.75	
33 41 13 00-1475 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,953.33	
33 41 13 00-1476 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,064.94	
33 41 13 00-1477 Fabricate Corrugated Steel Pipe Tees Or Laterals (33 41 13 00-1448) Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 41 13 00-1478 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	87.29	
33 41 13 00-1479 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	111.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1480 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	136.23	
33 41 13 00-1481 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	160.74	
33 41 13 00-1482 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	195.87	
33 41 13 00-1483 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	232.04	
33 41 13 00-1484 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	268.25	
33 41 13 00-1485 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	304.42	
33 41 13 00-1486 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	399.17	
33 41 13 00-1487 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	475.82	
33 41 13 00-1488 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	553.52	
33 41 13 00-1489 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	718.51	
33 41 13 00-1490 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	808.99	
33 41 13 00-1491 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	902.66	
33 41 13 00-1492 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	998.46	
33 41 13 00-1493 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,217.74	
33 41 13 00-1494 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,326.33	
33 41 13 00-1495 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,437.03	
33 41 13 00-1496 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,768.05	
33 41 13 00-1497 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	1,894.74	
33 41 13 00-1498 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,021.41	
33 41 13 00-1499 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,149.14	
33 41 13 00-1500 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,276.88	
33 41 13 00-1501 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,403.54	
33 41 13 00-1502 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	2,537.25	
33 41 13 00-1503 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,678.40	
33 41 13 00-1504 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	2,827.39	
33 41 13 00-1505 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 41 13 00-1448)		
<i>Note: Applied to pipe tasks.</i>		
33 41 13 00-1506 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	33.70	
33 41 13 00-1507 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	42.40	
33 41 13 00-1508 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	53.32	
33 41 13 00-1509 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	65.30	
33 41 13 00-1510 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	82.62	
33 41 13 00-1511 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	101.18	
33 41 13 00-1512 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	118.51	
33 41 13 00-1513 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	137.69	
33 41 13 00-1514 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	169.12	
33 41 13 00-1515 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	201.64	
33 41 13 00-1516 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	240.59	
33 41 13 00-1517 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	295.95	
33 41 13 00-1518 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	334.98	
33 41 13 00-1519 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	377.24	
33 41 13 00-1520 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	457.48	
33 41 13 00-1521 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	507.33	
33 41 13 00-1522 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	619.00	
33 41 13 00-1523 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	674.30	
33 41 13 00-1524 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	732.87	
33 41 13 00-1525 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	790.28	
33 41 13 00-1526 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	848.83	
33 41 13 00-1527 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	908.44	
33 41 13 00-1528 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	967.01	
33 41 13 00-1529 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,025.53	
33 41 13 00-1530 EA Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,087.60	
33 41 13 00-1531 EA Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,153.42	
33 41 13 00-1532 EA Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,223.23	
33 41 13 00-1533 Coupling Bands, Corrugated Metal Pipe Fitting (33 41 13 00-1448)		
33 41 13 00-1534 EA 6" Coupling Band, Corrugated Metal Pipe Fitting.....	7.82	
<i>For Bituminous Coated, Add</i>		2.27
33 41 13 00-1535 EA 8" Coupling Band, Corrugated Metal Pipe Fitting.....	10.38	
<i>For Bituminous Coated, Add</i>		3.01

33 Utilities**33 40 Storm Drainage Utilities****33 41 Storm Utility Drainage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1536 EA 10" Coupling Band, Corrugated Metal Pipe Fitting.....	13.08	
For Bituminous Coated, Add	3.79	
33 41 13 00-1537 EA 12" Coupling Band, Corrugated Metal Pipe Fitting.....	21.71	
For Bituminous Coated, Add	6.30	
33 41 13 00-1538 EA 15" Coupling Band, Corrugated Metal Pipe Fitting.....	27.38	
For Bituminous Coated, Add	7.94	
33 41 13 00-1539 EA 18" Coupling Band, Corrugated Metal Pipe Fitting.....	40.17	
For Bituminous Coated, Add	11.65	
33 41 13 00-1540 EA 21" Coupling Band, Corrugated Metal Pipe Fitting.....	47.67	
For Bituminous Coated, Add	13.82	
33 41 13 00-1541 EA 24" Coupling Band, Corrugated Metal Pipe Fitting.....	54.06	
For Bituminous Coated, Add	15.68	
33 41 13 00-1542 EA 30" Coupling Band, Corrugated Metal Pipe Fitting.....	93.55	
For Bituminous Coated, Add	27.13	
33 41 13 00-1543 EA 36" Coupling Band, Corrugated Metal Pipe Fitting.....	149.67	
For Bituminous Coated, Add	35.92	
33 41 13 00-1544 EA 42" Coupling Band, Corrugated Metal Pipe Fitting.....	175.86	
For Bituminous Coated, Add	42.21	
33 41 13 00-1545 EA 48" Coupling Band, Corrugated Metal Pipe Fitting.....	197.06	
For Bituminous Coated, Add	47.29	
33 41 13 00-1546 EA 54" Coupling Band, Corrugated Metal Pipe Fitting.....	279.46	
For Bituminous Coated, Add	67.07	
33 41 13 00-1547 EA 60" Coupling Band, Corrugated Metal Pipe Fitting.....	399.71	
For Bituminous Coated, Add	71.95	
33 41 13 00-1548 EA 66" Coupling Band, Corrugated Metal Pipe Fitting.....	491.23	
For Bituminous Coated, Add	88.42	
33 41 13 00-1549 EA 72" Coupling Band, Corrugated Metal Pipe Fitting.....	631.02	
For Bituminous Coated, Add	88.34	
33 41 13 00-1550 EA 78" Coupling Band, Corrugated Metal Pipe Fitting.....	674.92	
For Bituminous Coated, Add	94.49	
33 41 13 00-1551 EA 84" Coupling Band, Corrugated Metal Pipe Fitting.....	719.06	
For Bituminous Coated, Add	100.67	
33 41 13 00-1552 EA 90" Coupling Band, Corrugated Metal Pipe Fitting.....	762.98	
For Bituminous Coated, Add	106.82	
33 41 13 00-1553 EA 96" Coupling Band, Corrugated Metal Pipe Fitting.....	807.01	
For Bituminous Coated, Add	112.98	
33 41 13 00-1554 EA 102" Coupling Band, Corrugated Metal Pipe Fitting.....	851.16	
For Bituminous Coated, Add	119.16	
33 41 13 00-1555 EA 108" Coupling Band, Corrugated Metal Pipe Fitting.....	895.10	
For Bituminous Coated, Add	125.31	
33 41 13 00-1556 EA 114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,060.15	
For Bituminous Coated, Add	127.22	
33 41 13 00-1557 EA 120" Coupling Band, Corrugated Metal Pipe Fitting.....	982.92	
For Bituminous Coated, Add	117.95	
33 41 13 00-1558 EA 126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,026.73	
For Bituminous Coated, Add	123.21	
33 41 13 00-1559 EA 132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,070.85	
For Bituminous Coated, Add	128.50	
33 41 13 00-1560 EA 138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,115.02	
For Bituminous Coated, Add	133.80	
33 41 13 00-1561 Corrugated Metal Pipe End Sections (33 41 13 00-0523)		
33 41 13 00-1562 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1561)		
33 41 13 00-1563 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1562)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1564 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	194.35	51.58
33 41 13 00-1565 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	224.58	55.26
33 41 13 00-1566 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	261.02	58.95
33 41 13 00-1567 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	314.64	64.47
33 41 13 00-1568 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section.....	348.25	70.00
33 41 13 00-1569 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1562)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1570 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	554.38	79.21
33 41 13 00-1571 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	714.12	92.08
33 41 13 00-1572 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,089.35	107.42
33 41 13 00-1573 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,329.33	122.77
33 41 13 00-1574 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,584.80	153.46
33 41 13 00-1575 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section.....	1,851.65	184.14
33 41 13 00-1576 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 41 13 00-1562)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1577 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	202.50	51.58
33 41 13 00-1578 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	232.96	55.26
33 41 13 00-1579 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	273.90	58.95
33 41 13 00-1580 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	330.10	64.47
33 41 13 00-1581 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	365.79	70.00
33 41 13 00-1582 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	608.22	79.21
33 41 13 00-1583 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	780.08	92.08



	Utilities	33	
	Storm Drainage Utilities	33 40	CS
	Storm Utility Drainage Piping	33 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1584 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,235.34	107.42
33 41 13 00-1585 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,517.73	122.77
33 41 13 00-1586 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,775.33	153.46
33 41 13 00-1587 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,455.09	184.14
33 41 13 00-1588 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,798.26	276.22
33 41 13 00-1589 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,282.54	368.29
33 41 13 00-1590 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,574.50	395.15
33 41 13 00-1591 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,873.43	422.01
33 41 13 00-1592 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33		
<small>41 13 00-1592)</small>		
33 41 13 00-1593 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	22.99	
33 41 13 00-1594 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	25.45	
33 41 13 00-1595 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	28.46	
33 41 13 00-1596 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	30.92	
33 41 13 00-1597 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	34.53	
33 41 13 00-1598 EA Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	59.21	
33 41 13 00-1599 EA Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	63.74	
33 41 13 00-1600 EA Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	86.21	
33 41 13 00-1601 EA Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	92.54	
33 41 13 00-1602 EA Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	112.63	
33 41 13 00-1603 EA Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	115.74	
33 41 13 00-1604 EA Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	124.39	
33 41 13 00-1605 EA Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	144.03	
33 41 13 00-1606 EA Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	160.89	
33 41 13 00-1607 EA 84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension.....	165.40	
33 41 13 00-1608 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1608)		
33 41 13 00-1609 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1609)		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 41 13 00-1610 EA 17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	224.58	55.26
33 41 13 00-1611 EA 21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	261.02	58.95
33 41 13 00-1612 EA 24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section.....	314.64	64.47
33 41 13 00-1613 EA 28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	348.25	70.00
33 41 13 00-1614 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1608)		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 41 13 00-1615 EA 17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	217.55	55.26
33 41 13 00-1616 EA 21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	248.01	58.95
33 41 13 00-1617 EA 24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	277.40	64.47
33 41 13 00-1618 EA 28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	312.69	70.00
33 41 13 00-1619 EA 35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	453.00	79.21
33 41 13 00-1620 EA 42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	652.29	92.08
33 41 13 00-1621 EA 49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,009.21	107.42
33 41 13 00-1622 EA 57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,275.92	122.77
33 41 13 00-1623 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1608)		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 41 13 00-1624 EA 17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	221.12	55.26
33 41 13 00-1625 EA 21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	255.77	58.95
33 41 13 00-1626 EA 24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	289.53	64.47
33 41 13 00-1627 EA 28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section.....	327.07	70.00
33 41 13 00-1628 EA 35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	477.44	79.21
33 41 13 00-1629 EA 42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	685.63	92.08
33 41 13 00-1630 EA 49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,062.53	107.42
33 41 13 00-1631 EA 57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,337.29	122.77
33 41 13 00-1632 EA 64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,610.02	153.46
33 41 13 00-1633 EA 71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,113.46	184.14
33 41 13 00-1634 EA 77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,953.11	276.22
33 41 13 00-1635 EA 83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,280.48	368.29
33 41 13 00-1636 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End		
Section (33 41 13 00-1608)		
33 41 13 00-1637 EA Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	25.45	
33 41 13 00-1638 EA Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	28.46	
33 41 13 00-1639 EA Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	30.92	
33 41 13 00-1640 EA Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	34.53	
33 41 13 00-1641 EA Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	59.21	
33 41 13 00-1642 EA Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	63.74	
33 41 13 00-1643 EA Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	86.21	
33 41 13 00-1644 EA Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	96.04	
33 41 13 00-1645 EA Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	112.63	
33 41 13 00-1646 EA Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	117.14	
33 41 13 00-1647 EA Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	135.76	
33 41 13 00-1648 EA Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	156.55	

33	Utilities
33 40	Storm Drainage Utilities
33 41	Storm Utility Drainage Piping



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 13 00-1649 **Corrugated Aluminum Pipe End Sections** (33 41 13 00-1561)

33 41 13 00-1650 **Corrugated Aluminum Pipe End Sections** (33 41 13 00-1649)

33 41 13 00-1651	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	289.04	51.58
33 41 13 00-1652	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	332.40	55.26
33 41 13 00-1653	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	392.97	58.95
33 41 13 00-1654	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	485.69	64.47
33 41 13 00-1655	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	631.94	70.00
33 41 13 00-1656	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	943.26	79.21
33 41 13 00-1657	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,275.95	92.08
33 41 13 00-1658	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	1,585.75	92.08
33 41 13 00-1659	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,021.40	107.42
33 41 13 00-1660	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,881.65	122.77
33 41 13 00-1661	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,193.95	153.46
33 41 13 00-1662	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,302.33	184.14
33 41 13 00-1663	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	4,880.81	276.22
33 41 13 00-1664	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	5,713.89	368.29
33 41 13 00-1665	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,239.72	395.15
33 41 13 00-1666	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	6,584.63	422.01
33 41 13 00-1667	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,995.01	460.37
33 41 13 00-1668	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,956.59	498.74

33 41 13 00-1669 **Toe Plate Extensions For Corrugated Aluminum Pipe End Section** (33 41 13 00-1649)

33 41 13 00-1670	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	41.41	
33 41 13 00-1671	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	43.85	
33 41 13 00-1672	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	47.41	
33 41 13 00-1673	EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	53.23	
33 41 13 00-1674	EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	56.56	
33 41 13 00-1675	EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	73.45	
33 41 13 00-1676	EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	87.73	
33 41 13 00-1677	EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	92.23	
33 41 13 00-1678	EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	101.12	
33 41 13 00-1679	EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	114.29	
33 41 13 00-1680	EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	134.86	
33 41 13 00-1681	EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	185.87	
33 41 13 00-1682	EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	201.48	
33 41 13 00-1683	EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	257.87	
33 41 13 00-1684	EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	279.38	
33 41 13 00-1685	EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	297.82	
33 41 13 00-1686	EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	317.11	
33 41 13 00-1687	EA	96" Diameter Corrugated Aluminum Pipe End Section, 12 And 10 Gauge Toe Plate Extension	336.71	

33 41 13 00-1688 **Corrugated Aluminum Pipe-Arch End Sections** (33 41 13 00-1561)

33 41 13 00-1689 **Corrugated Aluminum Pipe-Arch End Sections** (33 41 13 00-1688)

33 41 13 00-1690	EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	342.41	55.26
33 41 13 00-1691	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	417.37	58.95
33 41 13 00-1692	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	453.32	64.47
33 41 13 00-1693	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	489.24	70.00
33 41 13 00-1694	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	729.21	79.21
33 41 13 00-1695	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,290.19	92.08
33 41 13 00-1696	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,368.74	92.08
33 41 13 00-1697	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,827.67	107.42
33 41 13 00-1698	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,806.21	122.77
33 41 13 00-1699	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,214.43	153.46
33 41 13 00-1700	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,886.37	184.14
33 41 13 00-1701	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,506.76	276.22
33 41 13 00-1702	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,838.39	368.29
33 41 13 00-1703	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,445.13	395.15
33 41 13 00-1704	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,771.94	422.01
33 41 13 00-1705	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,471.51	460.37
33 41 13 00-1706	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	8,975.81	498.74

33 41 13 00-1707 **Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section** (33 41 13 00-1688)

33 41 13 00-1708	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	43.85	
33 41 13 00-1709	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	47.41	
33 41 13 00-1710	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	50.09	
33 41 13 00-1711	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	54.82	
33 41 13 00-1712	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	63.56	
33 41 13 00-1713	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	82.05	
33 41 13 00-1714	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	89.22	
33 41 13 00-1715	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	101.12	
33 41 13 00-1716	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	114.29	
33 41 13 00-1717	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	134.86	
33 41 13 00-1718	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	169.93	



	Utilities	33
	Storm Drainage Utilities	33 40
	Storm Utility Drainage Piping	33 41

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 13 00-1719 EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	214.83	
33 41 13 00-1720 EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	291.24	
33 41 13 00-1721 EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	330.19	
33 41 13 00-1722 EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	346.28	
33 41 13 00-1723 EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	359.63	
33 41 13 00-1724 EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	375.77	
33 41 13 00-1725 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 41 13 00-1561)		
33 41 13 00-1726 4:1 Corrugated Steel Pipe End Sections (33 41 13 00-1725)		
33 41 13 00-1727 EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	395.64	55.26
33 41 13 00-1728 EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	504.89	58.95
33 41 13 00-1729 EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	615.28	64.47
33 41 13 00-1730 EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	733.38	70.00
33 41 13 00-1731 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 41 13 00-1725)		
Note: Includes nut and bolt set.		
33 41 13 00-1732 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	277.54	
33 41 13 00-1733 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	546.78	
33 41 13 00-1734 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	599.98	
33 41 13 00-1735 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	685.91	
33 41 13 00-1736 6:1 Corrugated Steel Pipe End Sections (33 41 13 00-1725)		
33 41 13 00-1737 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	458.92	55.26
33 41 13 00-1738 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	599.76	58.95
33 41 13 00-1739 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	796.20	64.47
33 41 13 00-1740 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	934.65	70.00
33 41 13 00-1741 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections (33 41 13 00-1725)		
Note: Includes nut and bolt set.		
33 41 13 00-1742 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	533.37	
33 41 13 00-1743 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	675.45	
33 41 13 00-1744 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	742.94	
33 41 13 00-1745 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	780.67	
33 41 13 00-1746 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section (33 41 13 00-1725)		
33 41 13 00-1747 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	48.53	
33 41 13 00-1748 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	54.21	
33 41 13 00-1749 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	58.98	
33 41 13 00-1750 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	65.75	
33 41 13 00-1751 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories (33 41 13 00-1561)		
33 41 13 00-1752 4:1 Corrugated Steel Pipe-Arch End Section (33 41 13 00-1751)		
33 41 13 00-1753 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	520.32	58.95
33 41 13 00-1754 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	651.61	64.47
33 41 13 00-1755 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	770.46	70.00
33 41 13 00-1756 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,445.09	79.21
33 41 13 00-1757 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections (33 41 13 00-1751)		
Note: Includes nut and bolt set.		
33 41 13 00-1758 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	370.12	
33 41 13 00-1759 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	671.67	
33 41 13 00-1760 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	707.80	
33 41 13 00-1761 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,040.31	
33 41 13 00-1762 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section (33 41 13 00-1751)		
33 41 13 00-1763 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	53.93	
33 41 13 00-1764 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	61.14	
33 41 13 00-1765 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	66.65	
33 41 13 00-1766 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	79.60	

33 42 Culverts (33 40)

33 42 16 Concrete Culverts (33 42)



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 42 16 13 Precast Concrete Culverts ^(33 42 16 13)

33 42 16 13-0001

Precast Reinforced Concrete Box Culvert ^(33 42 16 13)

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 16 13-0002	LF 4' x 2' Precast Reinforced Concrete Box Culvert	202.06	38.37
	<i>For Each LF Of Cut-Off Section, Add</i>	8.08	
33 42 16 13-0003	LF 4' x 3' Precast Reinforced Concrete Box Culvert	219.20	38.37
	<i>For Each LF Of Cut-Off Section, Add</i>	8.77	
33 42 16 13-0004	LF 5' x 3' Precast Reinforced Concrete Box Culvert	287.55	47.95
	<i>For Each LF Of Cut-Off Section, Add</i>	11.50	
33 42 16 13-0005	LF 5' x 4' Precast Reinforced Concrete Box Culvert	308.22	47.95
	<i>For Each LF Of Cut-Off Section, Add</i>	12.33	
33 42 16 13-0006	LF 5' x 5' Precast Reinforced Concrete Box Culvert	328.88	47.95
	<i>For Each LF Of Cut-Off Section, Add</i>	13.16	
33 42 16 13-0007	LF 6' x 3' Precast Reinforced Concrete Box Culvert	347.73	49.87
	<i>For Each LF Of Cut-Off Section, Add</i>	13.91	
33 42 16 13-0008	LF 6' x 4' Precast Reinforced Concrete Box Culvert	371.89	49.87
	<i>For Each LF Of Cut-Off Section, Add</i>	14.88	
33 42 16 13-0009	LF 6' x 6' Precast Reinforced Concrete Box Culvert	420.03	49.87
	<i>For Each LF Of Cut-Off Section, Add</i>	16.80	
33 42 16 13-0010	LF 7' x 4' Precast Reinforced Concrete Box Culvert	453.37	57.55
	<i>For Each LF Of Cut-Off Section, Add</i>	18.13	
33 42 16 13-0011	LF 7' x 6' Precast Reinforced Concrete Box Culvert	549.48	78.27
	<i>For Each LF Of Cut-Off Section, Add</i>	21.98	
33 42 16 13-0012	LF 8' x 2' Precast Reinforced Concrete Box Culvert	410.74	49.87
	<i>For Each LF Of Cut-Off Section, Add</i>	16.43	
33 42 16 13-0013	LF 8' x 3' Precast Reinforced Concrete Box Culvert	448.99	57.55
	<i>For Each LF Of Cut-Off Section, Add</i>	17.96	
33 42 16 13-0014	LF 8' x 4' Precast Reinforced Concrete Box Culvert	480.86	57.55
	<i>For Each LF Of Cut-Off Section, Add</i>	19.23	
33 42 16 13-0015	LF 8' x 5' Precast Reinforced Concrete Box Culvert	546.47	76.73
	<i>For Each LF Of Cut-Off Section, Add</i>	21.86	
33 42 16 13-0016	LF 8' x 6' Precast Reinforced Concrete Box Culvert	573.94	76.73
	<i>For Each LF Of Cut-Off Section, Add</i>	22.96	
33 42 16 13-0017	LF 8' x 8' Precast Reinforced Concrete Box Culvert	667.02	95.91
	<i>For Each LF Of Cut-Off Section, Add</i>	26.68	
33 42 16 13-0018	LF 9' x 4' Precast Reinforced Concrete Box Culvert	595.84	76.73
	<i>For Each LF Of Cut-Off Section, Add</i>	23.83	
33 42 16 13-0019	LF 9' x 6' Precast Reinforced Concrete Box Culvert	695.73	95.91
	<i>For Each LF Of Cut-Off Section, Add</i>	27.83	
33 42 16 13-0020	LF 10' x 3' Precast Reinforced Concrete Box Culvert	683.13	95.91
	<i>For Each LF Of Cut-Off Section, Add</i>	27.33	
33 42 16 13-0021	LF 10' x 4' Precast Reinforced Concrete Box Culvert	716.26	95.91
	<i>For Each LF Of Cut-Off Section, Add</i>	28.65	
33 42 16 13-0022	LF 10' x 5' Precast Reinforced Concrete Box Culvert	789.84	115.10
	<i>For Each LF Of Cut-Off Section, Add</i>	31.59	
33 42 16 13-0023	LF 10' x 6' Precast Reinforced Concrete Box Culvert	824.34	115.10
	<i>For Each LF Of Cut-Off Section, Add</i>	32.97	
33 42 16 13-0024	LF 10' x 7' Precast Reinforced Concrete Box Culvert	858.84	115.10
	<i>For Each LF Of Cut-Off Section, Add</i>	34.35	
33 42 16 13-0025	LF 10' x 8' Precast Reinforced Concrete Box Culvert	893.12	115.10
	<i>For Each LF Of Cut-Off Section, Add</i>	35.72	
33 42 16 13-0026	LF 12' x 3' Precast Reinforced Concrete Box Culvert	772.59	134.28
	<i>For Each LF Of Cut-Off Section, Add</i>	30.90	
33 42 16 13-0027	LF 12' x 4' Precast Reinforced Concrete Box Culvert	981.65	134.28
	<i>For Each LF Of Cut-Off Section, Add</i>	39.27	
33 42 16 13-0028	LF 12' x 6' Precast Reinforced Concrete Box Culvert	1,064.29	134.28
	<i>For Each LF Of Cut-Off Section, Add</i>	42.57	
33 42 16 13-0029	LF 12' x 8' Precast Reinforced Concrete Box Culvert	1,146.91	134.28
	<i>For Each LF Of Cut-Off Section, Add</i>	45.88	
33 42 16 13-0030	LF 16' x 10' Precast Reinforced Concrete Box Culvert	1,432.73	153.46
	<i>For Each LF Of Cut-Off Section, Add</i>	57.31	
33 42 16 13-0031	LF 24' x 10' Precast Reinforced Concrete Box Culvert	1,763.25	153.46
	<i>For Each LF Of Cut-Off Section, Add</i>	70.53	

33 42 16 13-0032

Precast Reinforced Concrete Box Culvert For Roadways ^(33 42 16 13)

Note: AASHTO H/20, H/25 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes excavation and backfill. Minimum length 6'-0".

33 42 16 13-0033	LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	631.26	38.37
	<i>For Each LF Of Cut-Off Section, Add</i>	25.25	
33 42 16 13-0034	LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	706.88	38.37
	<i>For Each LF Of Cut-Off Section, Add</i>	28.28	
33 42 16 13-0035	LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	801.67	47.95
	<i>For Each LF Of Cut-Off Section, Add</i>	32.07	
33 42 16 13-0036	LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	877.29	47.95
	<i>For Each LF Of Cut-Off Section, Add</i>	35.09	
33 42 16 13-0037	LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	952.91	47.95
	<i>For Each LF Of Cut-Off Section, Add</i>	38.12	
33 42 16 13-0038	LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	881.13	49.87
	<i>For Each LF Of Cut-Off Section, Add</i>	35.25	



Utilities	33	CS
Storm Drainage Utilities	33 40	
Culverts	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 16 13-0039 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	956.75 38.27	49.87
33 42 16 13-0040 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,107.99 44.32	49.87
33 42 16 13-0041 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,047.72 41.91	57.55
33 42 16 13-0042 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,240.36 49.61	78.27
33 42 16 13-0043 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	956.75 38.27	49.87
33 42 16 13-0044 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,047.72 41.91	57.55
33 42 16 13-0045 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,123.34 44.93	57.55
33 42 16 13-0046 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,237.30 49.49	76.73
33 42 16 13-0047 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,312.92 52.52	76.73
33 42 16 13-0048 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,502.52 60.10	95.91
33 42 16 13-0049 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,325.30 53.01	76.73
33 42 16 13-0050 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,525.28 61.01	95.91
33 42 16 13-0051 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,508.83 60.35	95.91
33 42 16 13-0052 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,598.62 63.94	95.91
33 42 16 13-0053 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,726.77 69.07	115.10
33 42 16 13-0054 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,816.57 72.66	115.10
33 42 16 13-0055 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,906.37 76.25	115.10
33 42 16 13-0056 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	1,996.17 79.85	115.10
33 42 16 13-0057 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,003.98 80.16	134.28
33 42 16 13-0058 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,106.05 84.24	134.28
33 42 16 13-0059 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,310.22 92.41	134.28
33 42 16 13-0060 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	2,514.39 100.58	134.28
33 42 16 13-0061 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,006.45 120.26	153.46
33 42 16 13-0062 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways <i>For Each LF Of Cut-Off Section, Add</i>	3,777.75 151.11	153.46

33 44 Storm Utility Water Drains (33 40)

33 44 13 Utility Area Drains (33 44)

33 44 13 13 Catchbasins (33 44 13)

33 44 13 13-0001 Storm Drains (33 44 13 13)

See CSI section 33 39 13 00-0001 for manhole structures.

33 44 13 13-0002 Catch Basins And Inlet Basins (33 44 13 13-0001)

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 44 13 13-0003 Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0002)

Note: Inside dimensions.

33 44 13 13-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,284.29	242.14
33 44 13 13-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,532.46	283.71
33 44 13 13-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,780.65	325.21
33 44 13 13-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,028.84	366.78
33 44 13 13-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,277.02	408.28

33 44 13 13-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,635.67	240.68
33 44 13 13-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,027.79	320.90
33 44 13 13-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,594.76	437.60
33 44 13 13-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,156.09	510.54
33 44 13 13-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,606.22	583.47

33 44 13 13-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 44 13 13-0003)

33 44 13 13-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,757.22	262.56
33 44 13 13-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,433.59	364.67
33 44 13 13-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,980.01	474.07

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 44 13 13-0020	EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,441.47	547.01
33 44 13 13-0021	EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,366.59	700.16
33 44 13 13-0022	Cast In Place, Catch Basin (33 44 13 13-0002)		
	Note: Inside span, overall depth.		
33 44 13 13-0023	3' x 3', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0024	EA 3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,576.97	292.76
33 44 13 13-0025	EA 3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,673.35	311.28
33 44 13 13-0026	EA 4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	1,822.29	334.33
33 44 13 13-0027	EA 4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,051.03	370.07
33 44 13 13-0028	EA 5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,206.74	393.92
33 44 13 13-0029	EA 5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,312.00	413.10
33 44 13 13-0030	EA 6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,467.86	436.95
33 44 13 13-0031	EA 6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,570.84	456.20
33 44 13 13-0032	EA 7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,727.68	479.98
33 44 13 13-0033	EA 7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,831.95	499.24
33 44 13 13-0034	EA 8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	2,987.73	523.08
33 44 13 13-0035	VLF >8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	373.48	65.35
33 44 13 13-0036	3'-6" x 3'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0037	EA 3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,816.85	338.41
33 44 13 13-0038	EA 3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	1,938.96	362.19
33 44 13 13-0039	EA 4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,094.41	386.04
33 44 13 13-0040	EA 4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,361.56	427.53
33 44 13 13-0041	EA 5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,533.52	454.52
33 44 13 13-0042	EA 5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,654.93	476.91
33 44 13 13-0043	EA 6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,829.03	503.90
33 44 13 13-0044	EA 6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	2,950.42	526.29
33 44 13 13-0045	EA 7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,123.33	553.27
33 44 13 13-0046	EA 7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,244.93	575.67
33 44 13 13-0047	EA 8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,417.91	602.65
33 44 13 13-0048	VLF >8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	427.25	75.34
33 44 13 13-0049	4' x 4', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0050	EA 3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,073.57	387.13
33 44 13 13-0051	EA 3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,202.17	411.71
33 44 13 13-0052	EA 4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	2,382.37	440.81
33 44 13 13-0053	EA 4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,688.36	488.14
33 44 13 13-0054	EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	2,878.67	518.26
33 44 13 13-0055	EA 5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,017.32	543.87
33 44 13 13-0056	EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,207.64	573.99
33 44 13 13-0057	EA 6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,346.08	599.59
33 44 13 13-0058	EA 7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,536.39	629.71
33 44 13 13-0059	EA 7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,675.05	655.31
33 44 13 13-0060	EA 8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	3,865.36	685.50
33 44 13 13-0061	VLF >8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	483.14	85.69
33 44 13 13-0062	4'-6" x 4'-6", Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0063	EA 3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,396.30	448.91
33 44 13 13-0064	EA 3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,546.14	474.28
33 44 13 13-0065	EA 4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,746.42	507.11
33 44 13 13-0066	EA 4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,095.37	560.94
33 44 13 13-0067	EA 5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,307.43	594.92
33 44 13 13-0068	EA 5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,467.89	624.32
33 44 13 13-0069	EA 6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,680.16	658.30
33 44 13 13-0070	EA 6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,840.63	687.77
33 44 13 13-0071	EA 7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,052.68	721.75
33 44 13 13-0072	EA 7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,212.16	751.15
33 44 13 13-0073	EA 8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,425.42	785.13
33 44 13 13-0074	VLF >8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	553.21	98.17
33 44 13 13-0075	5' x 5', Cast In Place, Catch Basins (33 44 13 13-0022)		
33 44 13 13-0076	EA 4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	3,077.49	569.39
33 44 13 13-0077	EA 4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,466.07	629.20
33 44 13 13-0078	EA 5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,696.75	666.47
33 44 13 13-0079	EA 5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	3,874.85	699.14
33 44 13 13-0080	EA 6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,103.33	736.34
33 44 13 13-0081	EA 6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,282.43	769.01
33 44 13 13-0082	EA 7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,512.10	806.28
33 44 13 13-0083	EA 7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,689.00	838.95
33 44 13 13-0084	EA 8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	4,919.68	876.15
33 44 13 13-0085	VLF >8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	819.24	109.54



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0086 5'-6" x 5'-6", Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0087 EA 4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	3,424.55	634.96
33 44 13 13-0088 EA 4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	3,978.93	718.77
33 44 13 13-0089 EA 5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,234.90	760.19
33 44 13 13-0090 EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,438.29	797.31
33 44 13 13-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,695.46	839.02
33 44 13 13-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,899.85	876.15
33 44 13 13-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,155.80	917.87
33 44 13 13-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,359.20	955.00
33 44 13 13-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,615.15	996.71
33 44 13 13-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	701.90	124.57
33 44 13 13-0097 6' x 6', Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin.....	3,789.95	703.59
33 44 13 13-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,400.77	795.56
33 44 13 13-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,675.80	840.63
33 44 13 13-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	4,898.04	881.11
33 44 13 13-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,172.07	926.18
33 44 13 13-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,395.52	966.66
33 44 13 13-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,669.34	1,011.73
33 44 13 13-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,891.78	1,052.22
33 44 13 13-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,166.81	1,097.29
33 44 13 13-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin.....	770.89	137.18
33 44 13 13-0108 6'-6" x 6'-6", Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	4,171.47	775.50
33 44 13 13-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	4,999.07	898.47
33 44 13 13-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,301.76	948.35
33 44 13 13-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,552.80	993.65
33 44 13 13-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,855.49	1,043.46
33 44 13 13-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,106.53	1,088.82
33 44 13 13-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,409.23	1,138.64
33 44 13 13-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,660.27	1,183.93
33 44 13 13-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,964.17	1,233.82
33 44 13 13-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	870.49	154.26
33 44 13 13-0119 7' x 7', Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin.....	4,570.26	850.55
33 44 13 13-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,475.76	984.75
33 44 13 13-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	5,797.96	1,038.14
33 44 13 13-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,067.36	1,086.86
33 44 13 13-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,390.48	1,140.17
33 44 13 13-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,659.89	1,188.96
33 44 13 13-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,982.08	1,242.28
33 44 13 13-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,252.48	1,291.08
33 44 13 13-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,574.61	1,344.39
33 44 13 13-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin.....	946.86	168.04
33 44 13 13-0130 7'-6" x 7'-6", Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin.....	5,167.24	954.63
33 44 13 13-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	5,972.04	1,074.53
33 44 13 13-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,312.53	1,131.35
33 44 13 13-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,602.42	1,183.57
33 44 13 13-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	6,943.85	1,240.38
33 44 13 13-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,233.74	1,292.60
33 44 13 13-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,574.22	1,349.42
33 44 13 13-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	7,864.13	1,401.64
33 44 13 13-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	8,205.61	1,458.46
33 44 13 13-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin.....	1,025.67	182.34
33 44 13 13-0141 8' x 8', Cast In Place, Catch Basins <small>(33 44 13 13-0022)</small>		
33 44 13 13-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin.....	5,617.68	1,038.65
33 44 13 13-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,486.53	1,167.81
33 44 13 13-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	6,846.37	1,228.06
33 44 13 13-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,155.78	1,283.78
33 44 13 13-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,515.55	1,344.02
33 44 13 13-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	7,822.97	1,399.74
33 44 13 13-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,184.72	1,459.99
33 44 13 13-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,494.13	1,515.71
33 44 13 13-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	8,847.42	1,575.95
33 44 13 13-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin.....	1,106.74	196.99



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0152			Precast Concrete Catch Basins (33 44 13 13-0002) Note: Inside dimensions.		
33 44 13 13-0153			1'-6" Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0154	EA		4' Deep, 1'-6" Diameter Precast Catch Basins.....	496.97	156.34
33 44 13 13-0155	EA		6' Deep, 1'-6" Diameter Precast Catch Basins.....	692.54	234.52
33 44 13 13-0156	EA		8' Deep, 1'-6" Diameter Precast Catch Basins.....	878.65	304.87
33 44 13 13-0157	EA		10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,051.74	360.37
33 44 13 13-0158	EA		12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,296.25	457.31
33 44 13 13-0159	EA		14' Deep, 1'-6" Diameter Precast Catch Basins.....	1,483.27	527.66
33 44 13 13-0160	VLF		Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	103.41	35.18
33 44 13 13-0161			2' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0162	EA		4' Deep, 2' Diameter Precast Catch Basin.....	565.99	173.93
33 44 13 13-0163	EA		6' Deep, 2' Diameter Precast Catch Basin.....	784.38	257.96
33 44 13 13-0164	EA		8' Deep, 2' Diameter Precast Catch Basin.....	991.24	340.04
33 44 13 13-0165	EA		10' Deep, 2' Diameter Precast Catch Basin.....	1,182.65	396.72
33 44 13 13-0166	EA		12' Deep, 2' Diameter Precast Catch Basin.....	1,466.56	508.11
33 44 13 13-0167	EA		14' Deep, 2' Diameter Precast Catch Basin.....	1,676.02	586.29
33 44 13 13-0168	VLF		Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	116.88	42.21
33 44 13 13-0169			3' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0170	EA		4' Deep, 3' Diameter Precast Catch Basin.....	745.01	205.20
33 44 13 13-0171	EA		6' Deep, 3' Diameter Precast Catch Basin.....	1,018.66	303.30
33 44 13 13-0172	EA		8' Deep, 3' Diameter Precast Catch Basin.....	1,281.35	400.63
33 44 13 13-0173	EA		10' Deep, 3' Diameter Precast Catch Basin.....	1,595.79	500.30
33 44 13 13-0174	EA		12' Deep, 3' Diameter Precast Catch Basin.....	1,885.57	596.44
33 44 13 13-0175	EA		14' Deep, 3' Diameter Precast Catch Basin.....	2,165.60	694.16
33 44 13 13-0176	VLF		Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	149.12	49.58
33 44 13 13-0177			4' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0178	EA		4' Deep, 4' Diameter Precast Catch Basin.....	899.69	228.27
33 44 13 13-0179	EA		6' Deep, 4' Diameter Precast Catch Basin.....	1,171.36	312.68
33 44 13 13-0180	EA		8' Deep, 4' Diameter Precast Catch Basin.....	1,572.53	469.02
33 44 13 13-0181	EA		10' Deep, 4' Diameter Precast Catch Basin.....	1,962.35	586.29
33 44 13 13-0182	EA		12' Deep, 4' Diameter Precast Catch Basin.....	2,320.43	703.54
33 44 13 13-0183	EA		14' Deep, 4' Diameter Precast Catch Basin.....	2,667.67	820.80
33 44 13 13-0184	VLF		Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	183.25	58.63
33 44 13 13-0185			5' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0186	EA		4' Deep, 5' Diameter Precast Catch Basin.....	1,211.61	312.68
33 44 13 13-0187	EA		6' Deep, 5' Diameter Precast Catch Basin.....	1,661.98	469.02
33 44 13 13-0188	EA		8' Deep, 5' Diameter Precast Catch Basin.....	2,114.64	625.37
33 44 13 13-0189	EA		10' Deep, 5' Diameter Precast Catch Basin.....	2,587.23	781.71
33 44 13 13-0190	EA		12' Deep, 5' Diameter Precast Catch Basin.....	3,053.20	938.06
33 44 13 13-0191	EA		14' Deep, 5' Diameter Precast Catch Basin.....	3,554.16	1,094.40
33 44 13 13-0192	VLF		Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	243.84	78.18
33 44 13 13-0193			6' Diameter Precast Catch Basins (33 44 13 13-0152)		
33 44 13 13-0194	EA		4' Deep, 6' Diameter Precast Catch Basin.....	1,773.78	469.02
33 44 13 13-0195	EA		6' Deep, 6' Diameter Precast Catch Basin.....	2,409.87	703.54
33 44 13 13-0196	EA		8' Deep, 6' Diameter Precast Catch Basin.....	3,089.39	938.06
33 44 13 13-0197	EA		10' Deep, 6' Diameter Precast Catch Basin.....	3,850.56	1,172.57
33 44 13 13-0198	EA		12' Deep, 6' Diameter Precast Catch Basin.....	4,589.37	1,407.08
33 44 13 13-0199	EA		14' Deep, 6' Diameter Precast Catch Basin.....	5,311.93	1,641.59
33 44 13 13-0200	VLF		Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	363.52	117.25
33 44 13 13-0201			Precast Catch Basins Accessories (33 44 13 13-0152)		
33 44 13 13-0202	EA		Single Or Double Wing Slab Top With Throat.....	1,088.10	508.11
33 44 13 13-0203	EA		4' x 4' Weir Box, Precast Catch Basin.....	486.40	62.53
33 44 13 13-0204	EA		4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	276.05	66.45
33 44 13 13-0205	EA		3' Diameter, Up To 6" High, Precast Extension Ring.....	345.30	97.71
			<i>For Each Additional Inch In Height, Add</i>	41.25	
33 44 13 13-0206	EA		4' Diameter, Up To 6" High, Precast Extension Ring.....	407.48	117.25
			<i>For Each Additional Inch In Height, Add</i>	48.35	
33 44 13 13-0207	EA		5' Diameter, Up To 6" High, Precast Extension Ring.....	475.25	136.80
			<i>For Each Additional Inch In Height, Add</i>	56.43	
33 44 13 13-0208	EA		6' Diameter, Up To 6" High, Precast Extension Ring.....	596.90	195.43
			<i>For Each Additional Inch In Height, Add</i>	66.94	
33 44 13 13-0209	EA		Adjust Existing Catch Basin Inlet Grate To Match Grade.....	469.00	
33 44 13 13-0210			Catch Basin Risers (33 44 13 13-0152)		
33 44 13 13-0211	EA		Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	284.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0212 EA >860 To 1140 Square Inch, Up To 2' Rise, Catch Basin Riser.....	317.09	
33 44 13 13-0213 EA >1140 Square Inch, Up To 2' Rise, Catch Basin Riser.....	356.13	
33 44 13 13-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	305.97	
33 44 13 13-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	341.02	
33 44 13 13-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	384.29	
33 44 13 13-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	338.35	
33 44 13 13-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	369.49	
33 44 13 13-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	412.91	
33 44 13 13-0220 CALTRAN Concrete Drainage Inlet Structures (33 44 13 13-0001)		
33 44 13 13-0221 Type OS Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0222 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	1,902.36	
33 44 13 13-0223 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,210.43	
33 44 13 13-0224 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,496.57	
33 44 13 13-0225 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,760.78	
33 44 13 13-0226 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,003.09	
33 44 13 13-0227 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,223.46	
33 44 13 13-0228 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,386.21	
33 44 13 13-0229 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,113.82	
33 44 13 13-0230 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,785.57	
33 44 13 13-0231 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,403.04	
33 44 13 13-0232 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,997.75	
33 44 13 13-0233 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,544.82	
33 44 13 13-0234 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,044.22	
33 44 13 13-0235 Type OL-7 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0236 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,590.47	
33 44 13 13-0237 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	2,878.49	
33 44 13 13-0238 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,144.58	
33 44 13 13-0239 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,388.77	
33 44 13 13-0240 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,610.25	
33 44 13 13-0241 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,810.58	
33 44 13 13-0242 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	4,938.80	
33 44 13 13-0243 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,649.43	
33 44 13 13-0244 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,304.21	
33 44 13 13-0245 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,903.93	
33 44 13 13-0246 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,483.97	
33 44 13 13-0247 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,016.36	
33 44 13 13-0248 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,501.11	
33 44 13 13-0249 Type OL-10 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0250 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,224.59	
33 44 13 13-0251 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,494.31	
33 44 13 13-0252 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,741.33	
33 44 13 13-0253 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	3,967.22	
33 44 13 13-0254 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,170.41	
33 44 13 13-0255 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,351.67	
33 44 13 13-0256 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	5,491.38	
33 44 13 13-0257 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,184.28	
33 44 13 13-0258 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,822.86	
33 44 13 13-0259 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,405.60	
33 44 13 13-0260 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,970.19	
33 44 13 13-0261 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,487.91	
33 44 13 13-0262 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,957.20	
33 44 13 13-0263 Type OL-14 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0264 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,128.55	
33 44 13 13-0265 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,371.28	
33 44 13 13-0266 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,592.09	
33 44 13 13-0267 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,790.97	
33 44 13 13-0268 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	4,967.95	
33 44 13 13-0269 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,122.99	
33 44 13 13-0270 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,274.24	
33 44 13 13-0271 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	6,943.00	
33 44 13 13-0272 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	7,556.70	
33 44 13 13-0273 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,115.33	
33 44 13 13-0274 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	8,659.86	
33 44 13 13-0275 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,155.93	
33 44 13 13-0276 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness.....	9,604.38	
33 44 13 13-0277 Type OL-21 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0278 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	5,963.46	
33 44 13 13-0279 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,152.50	
33 44 13 13-0280 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness.....	6,319.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0281 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,464.82	
33 44 13 13-0282 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,587.31	
33 44 13 13-0283 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,688.68	
33 44 13 13-0284 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,805.38	
33 44 13 13-0285 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,426.64	
33 44 13 13-0286 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,992.85	
33 44 13 13-0287 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,503.98	
33 44 13 13-0288 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,007.37	
33 44 13 13-0289 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,462.34	
33 44 13 13-0290 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,869.64	
33 44 13 13-0291 Type GOL-7 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0292 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,143.63	
33 44 13 13-0293 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,461.57	
33 44 13 13-0294 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,754.35	
33 44 13 13-0295 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,021.96	
33 44 13 13-0296 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,265.20	
33 44 13 13-0297 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,484.06	
33 44 13 13-0298 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,710.13	
33 44 13 13-0299 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,501.61	
33 44 13 13-0300 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,231.16	
33 44 13 13-0301 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,898.02	
33 44 13 13-0302 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,544.15	
33 44 13 13-0303 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,136.69	
33 44 13 13-0304 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,674.84	
33 44 13 13-0305 Type GOL-10 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0306 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,831.72	
33 44 13 13-0307 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,128.84	
33 44 13 13-0308 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,401.59	
33 44 13 13-0309 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,649.95	
33 44 13 13-0310 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,873.15	
33 44 13 13-0311 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,071.19	
33 44 13 13-0312 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,297.26	
33 44 13 13-0313 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,070.26	
33 44 13 13-0314 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,781.34	
33 44 13 13-0315 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,430.52	
33 44 13 13-0316 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,060.62	
33 44 13 13-0317 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,637.12	
33 44 13 13-0318 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,160.03	
33 44 13 13-0319 Type G-1 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0320 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,281.75	
33 44 13 13-0321 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,532.56	
33 44 13 13-0322 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,765.00	
33 44 13 13-0323 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,980.66	
33 44 13 13-0324 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,179.52	
33 44 13 13-0325 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,360.04	
33 44 13 13-0326 Type G-2 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0327 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,767.46	
33 44 13 13-0328 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,049.38	
33 44 13 13-0329 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,311.26	
33 44 13 13-0330 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,553.13	
33 44 13 13-0331 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,774.95	
33 44 13 13-0332 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,975.94	
33 44 13 13-0333 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,029.33	
33 44 13 13-0334 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,700.63	
33 44 13 13-0335 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,321.31	
33 44 13 13-0336 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,891.35	
33 44 13 13-0337 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,440.44	
33 44 13 13-0338 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,945.74	
33 44 13 13-0339 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,406.48	
33 44 13 13-0340 Type G-3 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0341 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,389.67	
33 44 13 13-0342 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,637.00	
33 44 13 13-0343 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,866.76	
33 44 13 13-0344 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,079.72	
33 44 13 13-0345 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,274.32	
33 44 13 13-0346 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,452.13	
33 44 13 13-0347 Type G-4_24 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
33 44 13 13-0348 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,713.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 44 13 13-0349 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,997.15	
				33 44 13 13-0350 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,260.78	
				33 44 13 13-0351 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,503.59	
				33 44 13 13-0352 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,727.15	
				33 44 13 13-0353 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,929.90	
				33 44 13 13-0354 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,006.30	
				33 44 13 13-0355 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,678.86	
				33 44 13 13-0356 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,300.02	
				33 44 13 13-0357 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,770.54	
				33 44 13 13-0358 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,420.02	
				33 44 13 13-0359 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,925.70	
				33 44 13 13-0360 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,387.61	
33 44 13 13-0361				Type G-4_18 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
				33 44 13 13-0362 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,767.46	
				33 44 13 13-0363 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,049.38	
				33 44 13 13-0364 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,311.26	
				33 44 13 13-0365 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,553.13	
				33 44 13 13-0366 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,774.95	
				33 44 13 13-0367 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,975.94	
				33 44 13 13-0368 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,029.33	
				33 44 13 13-0369 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	4,700.63	
				33 44 13 13-0370 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,321.31	
				33 44 13 13-0371 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,891.35	
				33 44 13 13-0372 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,440.44	
				33 44 13 13-0373 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,945.74	
				33 44 13 13-0374 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,406.48	
33 44 13 13-0375				Type G-5 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
				33 44 13 13-0376 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,376.18	
				33 44 13 13-0377 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,623.76	
				33 44 13 13-0378 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,854.53	
				33 44 13 13-0379 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,066.95	
				33 44 13 13-0380 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,262.57	
				33 44 13 13-0381 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,440.62	
33 44 13 13-0382				Type G-6 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
				33 44 13 13-0383 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,403.17	
				33 44 13 13-0384 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,650.26	
				33 44 13 13-0385 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,879.78	
				33 44 13 13-0386 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,091.72	
				33 44 13 13-0387 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,286.08	
				33 44 13 13-0388 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,463.64	
33 44 13 13-0389				Type GT1 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
				33 44 13 13-0390 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,347.61	
				33 44 13 13-0391 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,734.26	
				33 44 13 13-0392 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,119.97	
				33 44 13 13-0393 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,425.51	
				33 44 13 13-0394 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,729.33	
				33 44 13 13-0395 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,006.30	
33 44 13 13-0396				Type GT2 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
				33 44 13 13-0397 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,846.81	
				33 44 13 13-0398 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,267.79	
				33 44 13 13-0399 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,657.80	
				33 44 13 13-0400 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,017.64	
				33 44 13 13-0401 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,346.52	
				33 44 13 13-0402 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,645.23	
				33 44 13 13-0403 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,216.67	
				33 44 13 13-0404 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,206.38	
				33 44 13 13-0405 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,120.28	
				33 44 13 13-0406 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,959.17	
				33 44 13 13-0407 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,768.43	
				33 44 13 13-0408 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,512.04	
				33 44 13 13-0409 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,190.00	
33 44 13 13-0410				Type GT3 Concrete Drainage Inlet Structure (33 44 13 13-0220)		
				33 44 13 13-0411 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,334.11	
				33 44 13 13-0412 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,721.02	
				33 44 13 13-0413 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,081.08	
				33 44 13 13-0414 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,413.53	
				33 44 13 13-0415 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,717.58	
				33 44 13 13-0416 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,994.78	

33 Utilities

33 40 Storm Drainage Utilities

33 44 Storm Utility Water Drains



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 13 13-0417	Type GT4 Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0418	EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,941.26	
33 44 13 13-0419	EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,358.99	
33 44 13 13-0420	EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,746.54	
33 44 13 13-0421	EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,103.14	
33 44 13 13-0422	EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,429.56	
33 44 13 13-0423	EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,725.82	
33 44 13 13-0424	EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,228.18	
33 44 13 13-0425	EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,217.66	
33 44 13 13-0426	EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,131.32	
33 44 13 13-0427	EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,969.18	
33 44 13 13-0428	EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,778.25	
33 44 13 13-0429	EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,521.67	
33 44 13 13-0430	EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,199.45	

33 44 13 13-0431	Type GO Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0432	EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,673.02	
33 44 13 13-0433	EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	1,944.93	
33 44 13 13-0434	EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,197.28	
33 44 13 13-0435	EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,430.08	
33 44 13 13-0436	EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,643.32	
33 44 13 13-0437	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,837.80	
33 44 13 13-0438	EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	3,902.68	
33 44 13 13-0439	EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	4,554.01	
33 44 13 13-0440	EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,154.98	
33 44 13 13-0441	EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,707.16	
33 44 13 13-0442	EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,240.05	
33 44 13 13-0443	EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,729.22	
33 44 13 13-0444	EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,176.23	

33 44 13 13-0445	Type GDO Concrete Drainage Inlet Structure <small>(33 44 13 13-0220)</small>		
33 44 13 13-0446	EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,185.71	
33 44 13 13-0447	EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,543.12	
33 44 13 13-0448	EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,874.97	
33 44 13 13-0449	EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,181.99	
33 44 13 13-0450	EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,462.65	
33 44 13 13-0451	EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,718.49	
33 44 13 13-0452	EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,019.39	
33 44 13 13-0453	EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,858.85	
33 44 13 13-0454	EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,634.49	
33 44 13 13-0455	EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,347.04	
33 44 13 13-0456	EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,033.74	
33 44 13 13-0457	EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,665.13	
33 44 13 13-0458	EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,241.24	

33 44 13 13-0459 **Headwalls** (33 44 13 13-0001)
Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 44 13 13-0460 **Cast In Place Concrete Headwalls** (33 44 13 13-0459)

33 44 13 13-0461 **Skewed Wingwall, Cast In Place Concrete Headwall** (33 44 13 13-0460)

Note: Sized by pipe diameter.

33 44 13 13-0462	EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	980.02	492.30
33 44 13 13-0463	EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,238.70	525.13
33 44 13 13-0464	EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,609.89	687.84
33 44 13 13-0465	EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,483.83	984.61
33 44 13 13-0466	EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	3,436.91	1,312.80
33 44 13 13-0467	EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,338.24	1,730.43
33 44 13 13-0468	EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	6,047.03	2,386.91
33 44 13 13-0469	EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,182.85	2,813.13
33 44 13 13-0470	EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	8,650.36	3,424.75
33 44 13 13-0471	EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	10,404.99	4,145.69

33 44 13 13-0472 **Precast Concrete Headwalls** (33 44 13 13-0459)

33 44 13 13-0473	EA 12" Pipe, Precast Concrete Headwall	488.88	132.64
33 44 13 13-0474	EA 15" Pipe, Precast Concrete Headwall	510.99	140.01
33 44 13 13-0475	EA 18" Pipe, Precast Concrete Headwall	564.60	159.17
33 44 13 13-0476	EA 24" Pipe, Precast Concrete Headwall	620.44	169.48
33 44 13 13-0477	EA 30" Pipe, Precast Concrete Headwall	801.61	198.96
33 44 13 13-0478	EA 36" Pipe, Precast Concrete Headwall	908.84	206.33
33 44 13 13-0479	EA 42" Pipe, Precast Concrete Headwall	1,157.87	236.78
33 44 13 13-0480	EA 48" Pipe, Precast Concrete Headwall	1,271.00	260.87
33 44 13 13-0481	EA 54" Pipe, Precast Concrete Headwall	1,396.61	276.22
33 44 13 13-0482	EA 60" Pipe, Precast Concrete Headwall	1,573.51	276.22
33 44 13 13-0483	EA 72" Pipe, Precast Concrete Headwall	1,865.94	345.28



Utilities	33	CS
Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 13 13-0484 EA 84" Pipe, Precast Concrete Headwall.....	2,584.06	414.33
33 44 13 13-0485 Precast Concrete Wingwalls (33 44 13 13-0459)		
33 44 13 13-0486 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,119.85	1,367.29
33 44 13 13-0487 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,350.04	1,519.22
33 44 13 13-0488 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	3,733.67	1,772.42
33 44 13 13-0489 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	4,117.31	2,025.62
33 44 13 13-0490 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,117.31	2,025.62
33 44 13 13-0491 EA 44" ID Pipe (58" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	4,270.77	2,126.90
33 44 13 13-0492 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,422.07	2,177.54
33 44 13 13-0493 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	6,652.25	2,329.47
33 44 13 13-0494 Precast Concrete Transverse Drainage Interceptor (33 44 13 13-0459)		
33 44 13 13-0495 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	2,516.50	537.09
33 44 13 13-0496 Catch Basin Frames And Covers (33 44 13 13-0001)		
33 44 13 13-0497 Cast Iron Frames And Covers (33 44 13 13-0496)		
33 44 13 13-0498 EA 18" Diameter Cast Iron Catch Basin Frame And Cover.....	396.86	78.18
33 44 13 13-0499 EA 22" Diameter Cast Iron Catch Basin Frame And Cover.....	493.72	88.33
33 44 13 13-0500 EA 24" Diameter Cast Iron Catch Basin Frame And Cover.....	551.83	91.46
33 44 13 13-0501 EA 26" Diameter Cast Iron Catch Basin Frame And Cover.....	619.08	106.31
33 44 13 13-0502 EA 28" Diameter Cast Iron Catch Basin Frame And Cover.....	716.62	121.17
33 44 13 13-0503 EA 32" Diameter Cast Iron Catch Basin Frame And Cover.....	1,109.27	126.64
33 44 13 13-0504 EA 16" x 16" Cast Iron Catch Basin Frame And Cover.....	614.06	96.15
33 44 13 13-0505 EA 18" x 24" Cast Iron Catch Basin Frame And Cover.....	790.09	111.00
33 44 13 13-0506 EA 20" x 27" Cast Iron Catch Basin Frame And Cover.....	886.55	115.69
33 44 13 13-0507 EA 23" x 23" Cast Iron Catch Basin Frame And Cover.....	842.21	115.69
33 44 13 13-0508 EA 24" x 24" Cast Iron Catch Basin Frame And Cover.....	871.14	120.38
33 44 13 13-0509 EA 26" x 26" Cast Iron Catch Basin Frame And Cover.....	932.60	125.07
33 44 13 13-0510 EA 24" x 36" Cast Iron Catch Basin Frame And Cover.....	1,109.97	134.46
33 44 13 13-0511 Curb Inlet Frames And Covers (33 44 13 13-0001)		
33 44 13 13-0512 Cast Iron Curb Inlet Frames And Covers (33 44 13 13-0511)		
33 44 13 13-0513 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover.....	755.26	91.46
33 44 13 13-0514 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover.....	809.17	106.31
33 44 13 13-0515 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover.....	838.22	106.31
33 44 13 13-0516 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover.....	918.33	125.07
33 44 13 13-0517 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover.....	912.83	133.67
33 44 13 13-0518 Area Yard Drain (33 44 13 13-0001)		
33 44 13 13-0519 Ductile Iron Grates (33 44 13 13-0518) Note: Not for traffic loading.		
33 44 13 13-0520 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe.....	96.59	27.50
33 44 13 13-0521 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe.....	115.56	29.33
33 44 13 13-0522 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	248.36	36.67
33 44 13 13-0523 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe.....	296.88	44.00
33 44 16 Utility Trench Drains (33 44)		
33 44 16 00-0001 Modular Trench Drains (33 44 16) See CSI section 03 31 13 00-0011 for concrete.		
33 44 16 00-0002 Modular Trench Drains (33 44 16 00-0001) Note: Excludes grates. See CSI section 33 44 16 00-0096 for grates.		
33 44 16 00-0003 6" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0004 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0005 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0006 LF 6" Wide, High Density Polyethylene, Modular Trench Drain.....	76.20	12.50
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	29.64	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	59.29	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	94.86	
For Type 304 Stainless Steel Top Veneer Frame, Add	23.72	
For Aluminum Veneer Bronze Anodized Frame, Add	11.86	

33	Utilities
33 40	Storm Drainage Utilities
33 44	Storm Utility Water Drains



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 44 16 00-0007	Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0008	EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	36.97	
33 44 16 00-0009	EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	44.79	
33 44 16 00-0010	EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	44.79	
33 44 16 00-0011	Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0004)		
33 44 16 00-0012	EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	60.35	
33 44 16 00-0013	EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	60.35	
33 44 16 00-0014	EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	276.25	
33 44 16 00-0015	EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	513.41	
33 44 16 00-0016	EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	59.29	
33 44 16 00-0017	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0018	6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0019	LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	104.06	12.50
	<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
	<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
	<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 44 16 00-0020	Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0021	EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	39.35	
33 44 16 00-0022	EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	47.17	
33 44 16 00-0023	EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	47.17	
33 44 16 00-0024	Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 44 16 00-0017)		
33 44 16 00-0025	EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	60.35	
33 44 16 00-0026	EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	60.35	
33 44 16 00-0027	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	276.25	
33 44 16 00-0028	EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	513.41	
33 44 16 00-0029	EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	59.29	
33 44 16 00-0030	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0003)		
33 44 16 00-0031	6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0032	LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain.....	130.15	12.50
	<i>For Black Acid Resistant Coated Frame, Add</i>	22.53	
	<i>For Galvanized Top Frame Assembly, Add</i>	22.53	
	<i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	83.01	
33 44 16 00-0033	Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0034	EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	58.32	
33 44 16 00-0035	EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	66.14	
33 44 16 00-0036	EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	66.14	
33 44 16 00-0037	Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 44 16 00-0030)		
33 44 16 00-0038	EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	60.35	
33 44 16 00-0039	EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	60.35	
33 44 16 00-0040	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	276.25	
33 44 16 00-0041	EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	513.41	
33 44 16 00-0042	EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	59.29	
33 44 16 00-0043	12" Wide, Modular Trench Drains (33 44 16 00-0002)		
33 44 16 00-0044	12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0043)		
33 44 16 00-0045	12" Wide, High Density Polyethylene, Modular Trench Drains (33 44 16 00-0044)		
33 44 16 00-0046	LF 12" Wide, High Density Polyethylene, Modular Trench Drain.....	135.19	17.19
	<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
	<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
	<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	



Utilities	33	33
Storm Drainage Utilities	33 40	
Storm Utility Water Drains	33 44	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0047 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>		
33 44 16 00-0048 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	69.46	
33 44 16 00-0049 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	79.89	
33 44 16 00-0050 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	79.89	
33 44 16 00-0051 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0044)</small>		
33 44 16 00-0052 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	104.97	
33 44 16 00-0053 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	134.61	
33 44 16 00-0054 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	534.45	
33 44 16 00-0055 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,008.77	
33 44 16 00-0056 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	118.58	
33 44 16 00-0057 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0058 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0059 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	164.84	17.19
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0060 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0061 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	71.83	
33 44 16 00-0062 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.26	
33 44 16 00-0063 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	82.26	
33 44 16 00-0064 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains <small>(33 44 16 00-0057)</small>		
33 44 16 00-0065 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	104.97	
33 44 16 00-0066 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	134.61	
33 44 16 00-0067 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	534.45	
33 44 16 00-0068 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,008.77	
33 44 16 00-0069 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	118.58	
33 44 16 00-0070 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0043)</small>		
33 44 16 00-0071 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0072 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	224.13	17.19
<i>For Acid Resistant Coated Top Frame, Add</i>	30.83	
<i>For Galvanized Welded Frame Assembly, Add</i>	32.31	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	184.98	
33 44 16 00-0073 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0074 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	160.76	
33 44 16 00-0075 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.19	
33 44 16 00-0076 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	171.19	
33 44 16 00-0077 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains <small>(33 44 16 00-0070)</small>		
33 44 16 00-0078 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	104.97	
33 44 16 00-0079 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	134.61	
33 44 16 00-0080 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	534.45	
33 44 16 00-0081 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,008.77	
33 44 16 00-0082 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	118.58	
33 44 16 00-0083 23" Wide, Modular Trench Drains <small>(33 44 16 00-0002)</small>		
33 44 16 00-0084 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0083)</small>		
33 44 16 00-0085 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0086 LF 23" Wide, High Density Polyethylene, Modular Trench Drain	188.16	23.45
<i>For Acid Resistant Coated Frame, Add</i>	46.25	
<i>For Galvanized Frame Assembly, Add</i>	46.25	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	284.59	
33 44 16 00-0087 Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0088 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains	198.55	

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 16 00-0089 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	306.64	
33 44 16 00-0090 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	306.64	
33 44 16 00-0091 Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains <small>(33 44 16 00-0084)</small>		
33 44 16 00-0092 EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	230.96	
33 44 16 00-0093 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,046.34	
33 44 16 00-0094 EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	1,994.98	
33 44 16 00-0095 EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	237.16	
33 44 16 00-0096 Modular Trench Drain Grates <small>(33 44 16 00-0001)</small>		
33 44 16 00-0097 6" Wide, Modular Trench Drain Grates <small>(33 44 16 00-0096)</small>		
33 44 16 00-0098 LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate.....	60.83	2.35
33 44 16 00-0099 LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	51.88	2.35
33 44 16 00-0100 LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	54.37	2.35
33 44 16 00-0101 LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	47.78	2.35
33 44 16 00-0102 LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	51.34	2.35
33 44 16 00-0103 LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	51.93	2.35
33 44 16 00-0104 LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	51.93	2.35
33 44 16 00-0105 LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	51.34	2.35
33 44 16 00-0106 LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	45.41	2.35
33 44 16 00-0107 LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	45.41	2.35
33 44 16 00-0108 LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	48.14	2.35
33 44 16 00-0109 LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	48.14	2.35
33 44 16 00-0110 LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	62.01	2.35
33 44 16 00-0111 LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	62.01	2.35
33 44 16 00-0112 LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	111.82	2.35
33 44 16 00-0113 LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	111.82	2.35
33 44 16 00-0114 LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	307.47	2.35
33 44 16 00-0115 LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	43.04	2.35
33 44 16 00-0116 LF 6" Wide, Fiberglass, Modular Trench Drain Grate.....	90.47	2.35
33 44 16 00-0117 12" Wide, Modular Trench Drain Grates <small>(33 44 16 00-0096)</small>		
33 44 16 00-0118 LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	164.38	2.54
33 44 16 00-0119 LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	157.27	2.54
33 44 16 00-0120 LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	137.11	2.54
33 44 16 00-0121 LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	143.93	2.54
33 44 16 00-0122 LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	124.66	2.54
33 44 16 00-0123 LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	241.76	2.54
33 44 16 00-0124 LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	241.76	2.54
33 44 16 00-0125 LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	307.86	2.54
33 44 16 00-0126 LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	307.86	2.54
33 44 16 00-0127 LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	392.35	2.54
33 44 16 00-0128 LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	392.35	2.54
33 44 16 00-0129 LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	372.49	2.54
33 44 16 00-0130 LF 12" Wide, Fiberglass, Modular Trench Drain Grate.....	177.13	2.54
33 44 16 00-0131 23" Wide, Modular Trench Drain Grates <small>(33 44 16 00-0096)</small>		
33 44 16 00-0132 LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	258.45	2.73
33 44 16 00-0133 LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	218.13	2.73
33 44 16 00-0134 LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	336.71	2.73
33 44 16 00-0135 LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	250.15	2.73
33 44 19 Utility Oil and Gas Separators <small>(33 44)</small>		
33 44 19 19 Utility Oil and Gas Separators <small>(33 44 19)</small>		
33 44 19 19-0001 Oil/Water Separator <small>(33 44 19 19)</small>		
Note: Complete with internal sensors and detectors.		
33 44 19 19-0002 Coalescing Oil Water Separator <small>(33 44 19 19-0001)</small>		
Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
33 44 19 19-0003 Single Wall Steel Coalescing Oil Water Separator <small>(33 44 19 19-0002)</small>		
33 44 19 19-0004 EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	11,246.98	
Note: HTC-G 550, 3'-6" diameter x 10'-9" long tank.		
For Interior Polyurethane Coating, Add	711.00	
33 44 19 19-0005 EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	13,321.91	
Note: HTC-G 1000, 4' diameter x 14' long tank.		
For Interior Polyurethane Coating, Add	893.70	
33 44 19 19-0006 EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways.....	15,555.70	
Note: HTC-G 2000, 5'-4" diameter x 15' long tank.		
For Interior Polyurethane Coating, Add	1,340.10	



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0007	Double Wall Steel Coalescing Oil Water Separator (33 44 19 19-0002)		
33 44 19 19-0008	EA 550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	16,381.45	
	<i>For Interior Polyurethane Coating, Add</i>	711.00	
33 44 19 19-0009	EA 1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	18,541.68	
	<i>For Interior Polyurethane Coating, Add</i>	893.70	
33 44 19 19-0010	EA 2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	22,219.76	
	<i>For Interior Polyurethane Coating, Add</i>	1,340.10	
33 44 19 19-0011	EA 3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	25,549.72	
	<i>For Interior Polyurethane Coating, Add</i>	1,550.70	
33 44 19 19-0012	EA 5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	33,123.47	
	<i>For Interior Polyurethane Coating, Add</i>	2,057.80	
33 44 19 19-0013	Accessories For Coalescing Oil Water Separators (33 44 19 19-0002)		
33 44 19 19-0014	EA Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	630.82	
33 44 19 19-0015	EA Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	853.28	
33 44 19 19-0016	EA Float Interface Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	496.73	
33 44 19 19-0017	EA 1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	372.40	
33 44 19 19-0018	EA Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	139.28	
33 44 19 19-0019	EA 550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	2,102.56	
33 44 19 19-0020	EA 3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	4,205.09	
33 44 19 19-0021	EA 5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	6,307.71	
33 44 19 19-0022	EA 550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	405.21	
33 44 19 19-0023	EA 2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	471.52	
33 44 19 19-0024	EA 3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	943.04	
33 44 19 19-0025	EA 5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	2,036.21	
33 44 19 19-0026	EA 30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	560.62	
33 44 19 19-0027	EA 36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	723.69	
33 44 19 19-0028	EA 48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	990.36	
33 44 19 19-0029	EA 54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,765.35	
33 44 19 19-0030	EA 66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,256.45	
33 44 19 19-0031	EA 66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	2,820.08	
33 44 19 19-0032	EA 78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,543.27	
33 44 19 19-0033	EA 550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	691.07	
33 44 19 19-0034	EA 1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	842.33	
33 44 19 19-0035	EA 2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,323.07	
33 44 19 19-0036	EA 550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	658.95	
33 44 19 19-0037	EA 1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	799.85	
33 44 19 19-0038	EA 2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	949.05	
33 44 19 19-0039	EA 18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	55.95	
33 44 19 19-0040	EA 24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	63.20	
33 44 19 19-0041	Oil Skimmers (33 44 19 19)		
33 44 19 19-0042	Oil Skimmers, 12" And 24" Models (33 44 19 19-0041)		
33 44 19 19-0043	EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	4,572.42	449.09
33 44 19 19-0044	EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	4,797.50	449.09
33 44 19 19-0045	EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	4,593.26	449.09
33 44 19 19-0046	EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	4,881.90	449.09
33 44 19 19-0047	EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	4,829.80	449.09
33 44 19 19-0048	EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,020.49	449.09
33 44 19 19-0049	EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	4,878.78	449.09
33 44 19 19-0050	EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,166.38	449.09
33 44 19 19-0051	EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,113.75	598.91
33 44 19 19-0052	EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,354.46	598.91
33 44 19 19-0053	EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,177.31	598.91
33 44 19 19-0054	EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,523.27	598.91
33 44 19 19-0055	EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,722.30	598.91
33 44 19 19-0056	EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,963.01	598.91
33 44 19 19-0057	EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,773.36	598.91

33 Utilities**33 40 Storm Drainage Utilities****33 44 Storm Utility Water Drains**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 19 19-0058 EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,120.36	598.91
33 44 19 19-0059 Oil Skimmers, Add-Ons <small>(33 44 19 19-0041)</small>		
33 44 19 19-0060 LF Add For Belt Projection, 12" Width.....	15.63	
33 44 19 19-0061 LF Add For Belt Projection, 24" Width.....	29.18	
33 44 19 19-0062 LF Add For Spacer Stands, 12" Models.....	229.06	
33 44 19 19-0063 LF Add For Spacer Stands, 24" Models.....	274.91	
33 46 Subdrainage <small>(33 40)</small>		
33 46 16 Subdrainage Piping <small>(33 46)</small>		
See CSI section 33 41 13 00-0224 for polyethylene drain pipe.		
33 46 16 00-0001 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729 <small>(33 46 16)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 46 16 00-0002 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.52	3.24
33 46 16 00-0003 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	4.93	3.50
33 46 16 00-0004 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.66	4.20
33 46 16 00-0005 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	9.83	5.24
33 46 16 00-0006 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	15.17	6.00
33 46 16 00-0007 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	19.28	7.00
33 46 16 00-0008 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	32.24	8.39
33 46 16 00-0009 Perforated Non Reinforced Concrete Drainage Piping, C444 <small>(33 46 16)</small>		
33 46 16 00-0010 LF 6" Perforated Non Reinforced Concrete Drainage Pipe	18.79	4.42
<i>For Extra Strength, Add</i>		
	1.11	
<i>For >1,000, Deduct</i>		
	-0.94	
33 46 16 00-0011 LF 8" Perforated Non Reinforced Concrete Drainage Pipe	21.86	5.15
<i>For Extra Strength, Add</i>		
	1.37	
<i>For >1,000, Deduct</i>		
	-1.09	
33 46 16 00-0012 LF 10" Perforated Non Reinforced Concrete Drainage Pipe	24.76	5.90
<i>For Extra Strength, Add</i>		
	1.60	
<i>For >1,000, Deduct</i>		
	-1.24	
33 46 16 00-0013 LF 12" Perforated Non Reinforced Concrete Drainage Pipe	29.47	7.37
<i>For Extra Strength, Add</i>		
	2.00	
<i>For >1,000, Deduct</i>		
	-1.47	
33 46 16 00-0014 Extra Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 46 16)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 46 16 00-0015 LF 6" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	19.29	9.29
<i>For >1,000, Deduct</i>		
	-0.96	
33 46 16 00-0016 LF 8" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	21.36	10.32
<i>For >1,000, Deduct</i>		
	-1.07	
33 46 16 00-0017 LF 10" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	23.56	11.34
<i>For >1,000, Deduct</i>		
	-1.18	
33 46 16 00-0018 LF 12" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	26.73	11.79
<i>For >1,000, Deduct</i>		
	-1.34	
33 46 16 00-0019 LF 15" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	30.89	13.26
<i>For >1,000, Deduct</i>		
	-1.54	
33 46 16 00-0020 LF 18" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	38.25	16.94
<i>For >1,000, Deduct</i>		
	-1.91	
33 46 16 00-0021 LF 21" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	47.84	21.74
<i>For >1,000, Deduct</i>		
	-2.39	
33 46 16 00-0022 LF 24" Extra Strength Porous Non Reinforced Concrete Drainage Pipe	58.30	26.53
<i>For >1,000, Deduct</i>		
	-2.92	
33 46 16 00-0023 Standard Strength Porous Non Reinforced Concrete Drainage Piping, C654 <small>(33 46 16)</small>		
33 46 16 00-0024 LF 6" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	14.20	4.42
<i>For >1,000, Deduct</i>		
	-0.71	
33 46 16 00-0025 LF 8" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	18.06	5.15
<i>For >1,000, Deduct</i>		
	-0.90	
33 46 16 00-0026 LF 10" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	23.07	5.90
<i>For >1,000, Deduct</i>		
	-1.15	
33 46 16 00-0027 LF 12" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	33.73	11.79
<i>For >1,000, Deduct</i>		
	-1.69	
33 46 16 00-0028 LF 15" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	38.51	13.26
<i>For >1,000, Deduct</i>		
	-1.93	
33 46 16 00-0029 LF 18" Standard Strength Porous Non Reinforced Concrete Drainage Pipe	49.69	16.94
<i>For >1,000, Deduct</i>		
	-2.48	
33 46 16 00-0030 Perforated Vitrified Clay Drainage Piping, C700 <small>(33 46 16)</small>		
33 46 16 00-0031 LF 4" Perforated Vitrified Clay Drainage Pipe	12.41	5.90
33 46 16 00-0032 LF 6" Perforated Vitrified Clay Drainage Pipe	16.30	5.90
33 46 16 00-0033 LF 8" Perforated Vitrified Clay Drainage Pipe	19.01	5.90
33 46 16 00-0034 LF 10" Perforated Vitrified Clay Drainage Pipe	23.51	5.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 16 00-0035 LF 12" Perforated Vitrified Clay Drainage Pipe	28.33	5.90
33 46 16 00-0036 Geotextile Filter Fabric Sock (33 46 16)		
33 46 16 00-0037 LF 3" Geotextile Filter Fabric Sock	0.53	
33 46 16 00-0038 LF 4" Geotextile Filter Fabric Sock	0.70	
33 46 16 00-0039 LF 6" Geotextile Filter Fabric Sock	1.07	
33 46 16 00-0040 LF 8" Geotextile Filter Fabric Sock	1.44	
33 46 16 00-0041 LF 10" Geotextile Filter Fabric Sock	2.08	
33 46 16 00-0042 LF 12" Geotextile Filter Fabric Sock	2.79	
33 46 16 00-0043 LF 15" Geotextile Filter Fabric Sock	3.26	
33 46 16 00-0044 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 46 16)		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 46 16 00-0045 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	15.27	4.42
For Full Perforated, Add	0.64	
33 46 16 00-0046 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	19.19	5.35
For Full Perforated, Add	0.85	
33 46 16 00-0047 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	24.22	6.81
For Full Perforated, Add	1.06	
33 46 16 00-0048 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	27.18	8.04
For Full Perforated, Add	1.11	
33 46 16 00-0049 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	30.61	8.32
For Full Perforated, Add	1.40	
33 46 16 00-0050 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	34.10	8.63
For Full Perforated, Add	1.69	
33 46 16 00-0051 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	38.12	9.02
For Full Perforated, Add	2.01	
33 46 16 00-0052 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 46 16)		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 46 16 00-0053 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	16.30	4.42
For Full Perforated, Add	0.75	
33 46 16 00-0054 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	20.59	5.35
For Full Perforated, Add	0.99	
33 46 16 00-0055 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	25.93	6.81
For Full Perforated, Add	1.23	
33 46 16 00-0056 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	28.84	8.04
For Full Perforated, Add	1.28	
33 46 16 00-0057 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	32.66	8.32
For Full Perforated, Add	1.60	
33 46 16 00-0058 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	36.54	8.63
For Full Perforated, Add	1.93	
33 46 16 00-0059 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	40.96	9.02
For Full Perforated, Add	2.29	
33 46 16 00-0060 Strip-Perforated, Corrugated Aluminum Pipe (33 46 16)		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 46 16 00-0061 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	16.63	4.42
For Full Perforated, Add	0.78	
33 46 16 00-0062 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	21.02	5.35
For Full Perforated, Add	1.03	
33 46 16 00-0063 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	26.47	6.81
For Full Perforated, Add	1.29	
33 46 16 00-0064 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	32.94	8.04
For Full Perforated, Add	1.69	
33 46 16 00-0065 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	37.77	8.32
For Full Perforated, Add	2.11	
33 46 16 00-0066 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	42.73	8.63
For Full Perforated, Add	2.55	
33 46 16 00-0067 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	48.18	9.02
For Full Perforated, Add	3.01	
33 46 16 00-0068 Prefabricated Composite Drains (33 46 16)		
33 46 16 00-0069 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 46 16 00-0068)		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 46 16 00-0070 LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	6.71	1.68
For External Typar Geotextile Wrap, Add	1.05	
33 46 16 00-0071 EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.33	
33 46 16 00-0072 EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	29.33	
33 46 16 00-0073 EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.67	
33 46 16 00-0074 EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.67	
33 46 16 00-0075 LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	10.38	2.09
For External Typar Geotextile Wrap, Add	1.58	
33 46 16 00-0076 EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	41.82	
33 46 16 00-0077 EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	41.82	
33 46 16 00-0078 EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	59.22	

33 Utilities**33 40 Storm Drainage Utilities****33 46 Subdrainage**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 46 16 00-0079 EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)59.22

33 46 23 Underslab Drainage ^(33 46)

33 46 23 00-0001	Capillary Water Barrier Underslab Drainage ^(33 46 23)		
	Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 46 23 00-0002	CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	25.52	
33 46 23 00-0003	CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	23.55	
33 46 23 00-0004	CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	22.76	
33 46 23 00-0005	CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage.....	21.59	

33 50 Fuel Distribution Utilities ⁽³³⁾**33 51 Natural-Gas Distribution** ^(33 50)**33 51 13 Natural-Gas Piping** ^(33 51)

33 51 13 00-0001 Gas Distribution Lines ^(33 51 13)
 Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 51 13 00-0002 High Density Polyethylene (HDPE) Pressure Piping ^(33 51 13 00-0001)
 Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 51 13 00-0003 High Density Polyethylene (HDPE) Pressure Pipe ^(33 51 13 00-0002)

33 51 13 00-0004	LF 3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	12.61	3.92
	For DR 17 (100 PSI), Add	0.19	
	For DR 15.5 (110 PSI), Add	0.28	
	For DR 13.5 (128 PSI), Add	0.44	
	For DR 11 (160 PSI), Add	0.70	
33 51 13 00-0005	LF 4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	14.86	4.27
	For DR 26 (65 PSI), Deduct	-0.38	
	For DR 17 (100 PSI), Add	0.46	
	For DR 15.5 (110 PSI), Add	0.67	
	For DR 13.5 (128 PSI), Add	1.05	
	For DR 11 (160 PSI), Add	1.69	
33 51 13 00-0006	LF 6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	18.20	4.57
	For DR 26 (65 PSI), Deduct	-0.82	
	For DR 17 (100 PSI), Add	1.00	
	For DR 15.5 (110 PSI), Add	1.46	
	For DR 13.5 (128 PSI), Add	2.28	
	For DR 11 (160 PSI), Add	3.66	
33 51 13 00-0007	LF 8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	21.92	4.77
	For DR 26 (65 PSI), Deduct	-1.39	
	For DR 17 (100 PSI), Add	1.69	
	For DR 15.5 (110 PSI), Add	2.47	
	For DR 13.5 (128 PSI), Add	3.86	
	For DR 11 (160 PSI), Add	6.21	
33 51 13 00-0008	LF 10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	26.36	4.85
	For DR 26 (65 PSI), Deduct	-2.17	
	For DR 17 (100 PSI), Add	2.63	
	For DR 15.5 (110 PSI), Add	3.85	
	For DR 13.5 (128 PSI), Add	6.00	
	For DR 11 (160 PSI), Add	9.66	
33 51 13 00-0009	LF 12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	32.02	5.09
	For DR 26 (65 PSI), Deduct	-3.12	
	For DR 17 (100 PSI), Add	3.79	
	For DR 15.5 (110 PSI), Add	5.54	
	For DR 13.5 (128 PSI), Add	8.65	
	For DR 11 (160 PSI), Add	13.93	
33 51 13 00-0010	LF 14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	36.82	5.60
	For DR 26 (65 PSI), Deduct	-3.67	
	For DR 17 (100 PSI), Add	4.45	
	For DR 15.5 (110 PSI), Add	6.52	
	For DR 13.5 (128 PSI), Add	10.17	
	For DR 11 (160 PSI), Add	16.37	
33 51 13 00-0011	LF 16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	44.63	6.16
	For DR 26 (65 PSI), Deduct	-4.80	
	For DR 17 (100 PSI), Add	5.81	
	For DR 15.5 (110 PSI), Add	8.52	
	For DR 13.5 (128 PSI), Add	13.29	
	For DR 11 (160 PSI), Add	21.39	
33 51 13 00-0012	LF 18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	53.05	6.66
	For DR 26 (65 PSI), Deduct	-6.06	
	For DR 17 (100 PSI), Add	7.35	
	For DR 15.5 (110 PSI), Add	10.76	
	For DR 13.5 (128 PSI), Add	16.80	
	For DR 11 (160 PSI), Add	27.03	
33 51 13 00-0013	LF 20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	49.63	7.30
	For DR 26 (65 PSI), Deduct	-5.07	
	For DR 17 (100 PSI), Add	6.14	
	For DR 15.5 (110 PSI), Add	8.99	
	For DR 13.5 (128 PSI), Add	14.04	
	For DR 11 (160 PSI), Add	22.60	



		Utilities	33
		Fuel Distribution Utilities	33 50
		Natural-Gas Distribution	33 51

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 00-0014 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe	82.82	8.00
For DR 26 (65 PSI), Deduct	-10.79	
For DR 17 (100 PSI), Add	13.07	
For DR 15.5 (110 PSI), Add	19.15	
For DR 13.5 (128 PSI), Add	29.88	
For DR 11 (160 PSI), Add	48.10	
33 51 13 00-0015 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 51 13 00-0002)</small>		
33 51 13 00-0016 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	51.42	11.37
For DR 26 (65 PSI), Deduct	-3.17	
For DR 17 (100 PSI), Add	3.85	
For DR 15.5 (110 PSI), Add	5.63	
For DR 13.5 (128 PSI), Add	8.79	
For DR 11 (160 PSI), Add	14.15	
33 51 13 00-0017 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	58.51	12.65
For DR 26 (65 PSI), Deduct	-3.78	
For DR 17 (100 PSI), Add	4.58	
For DR 15.5 (110 PSI), Add	6.71	
For DR 13.5 (128 PSI), Add	10.47	
For DR 11 (160 PSI), Add	16.86	
33 51 13 00-0018 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	98.14	14.44
For DR 26 (65 PSI), Deduct	-10.06	
For DR 17 (100 PSI), Add	12.19	
For DR 15.5 (110 PSI), Add	17.85	
For DR 13.5 (128 PSI), Add	27.86	
For DR 11 (160 PSI), Add	44.85	
33 51 13 00-0019 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	165.22	16.86
For DR 26 (65 PSI), Deduct	-21.02	
For DR 17 (100 PSI), Add	25.48	
For DR 15.5 (110 PSI), Add	37.32	
For DR 13.5 (128 PSI), Add	58.25	
For DR 11 (160 PSI), Add	93.75	
33 51 13 00-0020 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	258.78	22.51
For DR 26 (65 PSI), Deduct	-35.08	
For DR 17 (100 PSI), Add	42.53	
For DR 15.5 (110 PSI), Add	62.28	
For DR 13.5 (128 PSI), Add	97.21	
For DR 11 (160 PSI), Add	156.47	
33 51 13 00-0021 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	381.30	33.68
For DR 26 (65 PSI), Deduct	-51.38	
For DR 17 (100 PSI), Add	62.28	
For DR 15.5 (110 PSI), Add	91.20	
For DR 13.5 (128 PSI), Add	142.35	
For DR 11 (160 PSI), Add	229.13	
33 51 13 00-0022 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	468.92	44.95
For DR 26 (65 PSI), Deduct	-61.24	
For DR 17 (100 PSI), Add	74.24	
For DR 15.5 (110 PSI), Add	108.72	
For DR 13.5 (128 PSI), Add	169.70	
For DR 11 (160 PSI), Add	273.14	
33 51 13 00-0023 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	602.16	67.38
For DR 26 (65 PSI), Deduct	-73.34	
For DR 17 (100 PSI), Add	88.91	
For DR 15.5 (110 PSI), Add	130.20	
For DR 13.5 (128 PSI), Add	203.22	
For DR 11 (160 PSI), Add	327.10	
33 51 13 00-0024 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	771.87	75.79
For DR 26 (65 PSI), Deduct	-99.81	
For DR 17 (100 PSI), Add	120.99	
For DR 15.5 (110 PSI), Add	177.18	
For DR 13.5 (128 PSI), Add	276.55	
For DR 11 (160 PSI), Add	445.13	
33 51 13 00-0025 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,079.50	86.01
For DR 26 (65 PSI), Deduct	-150.09	
For DR 17 (100 PSI), Add	181.94	
For DR 15.5 (110 PSI), Add	266.44	
For DR 13.5 (128 PSI), Add	415.87	
For DR 11 (160 PSI), Add	669.38	
33 51 13 00-0026 EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,396.26	101.10
For DR 26 (65 PSI), Deduct	-200.37	
For DR 17 (100 PSI), Add	242.89	
For DR 15.5 (110 PSI), Add	355.70	
For DR 13.5 (128 PSI), Add	555.20	
For DR 11 (160 PSI), Add	893.63	
33 51 13 00-0027 Tees, High Density Polyethylene (HDPE) Pressure Piping <small>(33 51 13 00-0002)</small>		
33 51 13 00-0028 EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	58.26	11.90
For DR 26 (65 PSI), Deduct	-4.15	
For DR 17 (100 PSI), Add	5.03	
For DR 15.5 (110 PSI), Add	7.37	
For DR 13.5 (128 PSI), Add	11.50	
For DR 11 (160 PSI), Add	18.51	

33	Utilities
33 50	Fuel Distribution Utilities
33 51	Natural-Gas Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 51 13 00-0029 EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	67.05	13.48
For DR 26 (65 PSI), Deduct	-4.88	
For DR 17 (100 PSI), Add	5.92	
For DR 15.5 (110 PSI), Add	8.67	
For DR 13.5 (128 PSI), Add	13.54	
For DR 11 (160 PSI), Add	21.79	
33 51 13 00-0030 EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	116.27	15.55
For DR 26 (65 PSI), Deduct	-12.77	
For DR 17 (100 PSI), Add	15.48	
For DR 15.5 (110 PSI), Add	22.67	
For DR 13.5 (128 PSI), Add	35.38	
For DR 11 (160 PSI), Add	56.95	
33 51 13 00-0031 EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	231.82	18.38
For DR 26 (65 PSI), Deduct	-32.39	
For DR 17 (100 PSI), Add	39.27	
For DR 15.5 (110 PSI), Add	57.50	
For DR 13.5 (128 PSI), Add	89.76	
For DR 11 (160 PSI), Add	144.47	
33 51 13 00-0032 EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	313.67	26.98
For DR 26 (65 PSI), Deduct	-42.68	
For DR 17 (100 PSI), Add	51.73	
For DR 15.5 (110 PSI), Add	75.76	
For DR 13.5 (128 PSI), Add	118.25	
For DR 11 (160 PSI), Add	190.33	
33 51 13 00-0033 EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	439.18	40.47
For DR 26 (65 PSI), Deduct	-58.27	
For DR 17 (100 PSI), Add	70.64	
For DR 15.5 (110 PSI), Add	103.44	
For DR 13.5 (128 PSI), Add	161.46	
For DR 11 (160 PSI), Add	259.88	
33 51 13 00-0034 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	525.57	50.55
For DR 26 (65 PSI), Deduct	-68.55	
For DR 17 (100 PSI), Add	83.10	
For DR 15.5 (110 PSI), Add	121.70	
For DR 13.5 (128 PSI), Add	189.95	
For DR 11 (160 PSI), Add	305.75	
33 51 13 00-0035 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	671.58	75.79
For DR 26 (65 PSI), Deduct	-81.41	
For DR 17 (100 PSI), Add	96.68	
For DR 15.5 (110 PSI), Add	144.52	
For DR 13.5 (128 PSI), Add	225.57	
For DR 11 (160 PSI), Add	363.07	
33 51 13 00-0036 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	881.92	88.29
For DR 26 (65 PSI), Deduct	-113.11	
For DR 17 (100 PSI), Add	137.12	
For DR 15.5 (110 PSI), Add	200.80	
For DR 13.5 (128 PSI), Add	313.43	
For DR 11 (160 PSI), Add	504.48	
33 51 13 00-0037 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,267.71	104.28
For DR 26 (65 PSI), Deduct	-174.38	
For DR 17 (100 PSI), Add	211.39	
For DR 15.5 (110 PSI), Add	309.57	
For DR 13.5 (128 PSI), Add	483.20	
For DR 11 (160 PSI), Add	777.74	
33 51 13 00-0038 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping	1,664.55	126.41
For DR 26 (65 PSI), Deduct	-235.65	
For DR 17 (100 PSI), Add	285.66	
For DR 15.5 (110 PSI), Add	418.34	
For DR 13.5 (128 PSI), Add	652.97	
For DR 11 (160 PSI), Add	1,050.99	

33 70 Electrical Utilities ⁽³³⁾

33 71 Electrical Utility Transmission And Distribution ^(33 70)

33 71 19 Electrical Underground Ducts And Manholes ^(33 71)

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 00-0001 Electrical Handholes And Pull Boxes ^(33 71 19)

33 71 19 00-0002 Electrical Pull Boxes ^(33 71 19 00-0001)

See CSI section 33 05 16 13-0427 for handholes.

33 71 19 00-0003 EA 24" x 36" x 24", Electric Pull Boxes, Precast Concrete	1,331.95
33 71 19 00-0004 EA 24" x 36" x 36", Electric Pull Boxes, Precast Concrete	1,584.69
33 71 19 00-0005 EA 30" x 48" x 36", Electric Pull Boxes, Precast Concrete	1,825.30
33 71 19 00-0006 EA 36" x 72" x 24", Electric Pull Boxes, Precast Concrete	2,787.44
33 71 19 00-0007 EA 36" x 60" x 36", Electric Pull Boxes, Precast Concrete	2,961.86
33 71 19 00-0008 EA 48" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,179.70
33 71 19 00-0009 EA 48" x 60" x 48", Electric Pull Boxes, Precast Concrete	3,654.30
33 71 19 00-0010 EA 18" x 28" x 34", Electric Pull Boxes, Precast Concrete	1,418.66
33 71 19 00-0011 EA 14" x 20" x 12", Electric Pull Boxes, Precast Concrete	748.02
33 71 19 00-0012 EA 18" x 28" x 12", Electric Pull Boxes, Precast Concrete	898.96
33 71 19 00-0013 EA 24" x 36" x 12", Electric Pull Boxes, Precast Concrete	1,187.14
33 71 19 00-0014 EA 24" x 3', Round Electric Pull Boxes, Precast Concrete	726.89
33 71 19 00-0015 EA 30" x 3', Round Electric Pull Boxes, Precast Concrete	768.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 00-0016 EA No. 5 Electric Pull Boxes, Precast Concrete.....	1,026.72	
For 12" Extension, Add	112.38	
For Traffic Rated Lid, Add	91.57	
33 71 19 00-0017 EA No. 6 Electric Pull Boxes, Precast Concrete.....	1,128.47	
For 12" Extension, Add	137.82	
For Traffic Rated Lid, Add	122.09	
33 71 19 00-0018 Electrical Pull Boxes (CALTRANS And SDG&E) (33 71 19 00-0001)		
33 71 19 00-0019 EA Body, CALTRANS 3-1/2 Precast Concrete Pull Box.....	91.12	
33 71 19 00-0020 EA Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	31.26	
33 71 19 00-0021 EA Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	50.42	
33 71 19 00-0022 EA Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	95.24	
33 71 19 00-0023 EA Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box.....	141.72	
For Galvanized Steel Cover, Add	22.50	
33 71 19 00-0024 EA 12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box.....	43.27	
33 71 19 00-0025 EA Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box.....	43.27	
33 71 19 00-0026 EA Body, CALTRANS 5 Precast Concrete Pull Box.....	132.15	
33 71 19 00-0027 EA Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	40.06	
33 71 19 00-0028 EA Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box.....	59.22	
33 71 19 00-0029 EA Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box.....	184.62	
For Galvanized Steel Cover, Add	41.25	
33 71 19 00-0030 EA 12" Extension, CALTRANS 5 Precast Concrete Pull Box.....	57.02	
33 71 19 00-0031 EA Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box.....	54.00	
33 71 19 00-0032 EA Body, CALTRANS 6 Precast Concrete Pull Box.....	140.95	
33 71 19 00-0033 EA Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	51.88	
33 71 19 00-0034 EA Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box.....	71.04	
33 71 19 00-0035 EA Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box.....	249.52	
For Galvanized Steel Cover, Add	57.75	
33 71 19 00-0036 EA 12" Extension, CALTRANS 6 Precast Concrete Pull Box.....	65.82	
33 71 19 00-0037 EA Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	62.52	
33 71 19 00-0038 EA 6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box.....	82.32	
33 71 19 00-0039 EA Body, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	171.70	
33 71 19 00-0040 EA Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	219.82	
33 71 19 00-0041 EA 12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	76.82	
33 71 19 00-0042 EA Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box.....	71.32	
33 71 19 00-0043 EA Body, CALTRANS 5-T Precast Concrete Pull Box.....	228.95	
33 71 19 00-0044 EA Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box.....	313.32	
33 71 19 00-0045 EA 12" Extension, CALTRANS 5-T Precast Concrete Pull Box.....	90.02	
33 71 19 00-0046 EA Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box.....	87.82	
33 71 19 00-0047 EA Body, CALTRANS 6-T Precast Concrete Pull Box.....	309.25	
33 71 19 00-0048 EA Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box.....	434.32	
33 71 19 00-0049 EA 12" Extension, CALTRANS 6-T Precast Concrete Pull Box.....	145.02	
33 71 19 00-0050 EA Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box.....	115.32	
33 71 19 00-0051 EA 24" x 36" Handhole (SDG&E 3313K/T).....	150.61	
33 71 19 00-0052 EA SDG&E Traffic Cover (SDG&E 3313CSTG).....	940.69	
33 71 19 00-0053 Precast Concrete Box Extensions (33 71 19 00-0001)		
33 71 19 00-0054 EA 14" x 20" x 12", Precast Concrete Extension.....	160.05	
33 71 19 00-0055 EA 18" x 28" x 12", Precast Concrete Extension.....	201.04	
33 71 19 00-0056 EA 24" x 36" x 12", Precast Concrete Extension.....	262.31	
33 71 19 00-0057 EA 30" x 48" x 12", Precast Concrete Extension.....	323.73	
33 71 19 00-0058 EA 36" x 60" x 12", Precast Concrete Extension.....	518.11	
33 71 19 00-0059 EA 36" x 72" x 12", Precast Concrete Extension.....	692.81	
33 71 19 00-0060 EA 48" x 48" x 12", Precast Concrete Extension.....	785.98	
33 71 19 00-0061 EA 48" x 60" x 12", Precast Concrete Extension.....	964.18	
33 71 19 00-0062 Electrical Property Line Boxes (33 71 19)		
33 71 19 00-0063 EA 3'-6" x 2'-9" x 2' Deep Property Line Box.....	2,502.57	293.40
33 71 19 00-0064 EA 4'-6" x 3'-6" x 4' Deep Property Line Box.....	2,915.57	304.27
33 71 19 00-0065 EA 6' x 4' x 5' Deep Property Line Box.....	3,221.36	369.47
33 71 19 00-0066 EA 11'-6" x 4'-6" x 6' Deep Property Line Box.....	4,918.25	543.34
33 71 19 00-0067 Underground Electrical Concrete Markers (33 71 19)		
33 71 19 00-0068 EA 36" x 6" x 6", Underground Electric Concrete Marker.....	247.09	
33 71 19 00-0069 Underground Cable Protection Slab And Marking (33 71 19)		
33 71 19 00-0070 EA 24" x 12", 2" Concrete, Underground Cable Protection.....	3.80	
33 71 19 00-0071 Manhole Accessories (33 71 19)		
33 71 19 00-0072 EA 6" Precast Grade Ring Riser Casting.....	345.47	
33 71 19 00-0073 EA 12" Precast Grade Ring Riser Casting.....	374.13	
33 71 19 00-0074 EA 36" Opening Cast Iron Frame And Cover NEENAH #R-1640-D.....	1,202.92	
33 71 19 00-0075 EA 42" Opening Cast Iron Frame And Cover NEENAH #R-1740-E1.....	1,565.00	
33 71 19 00-0076 EA Cast Iron Adjusting Ring NEENAH #R-1979.....	528.98	

33 Utilities

33 70 Electrical Utilities

33 71 Electrical Utility Transmission And Distribution



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

33 71 19 00-0077 EA Cast Iron Frame And Cover NEENAH #R-1640-B.....664.13

END OF SECTION 33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 Transportation

34 01 Operation And Maintenance Of Transportation ⁽³⁴⁾

34 01 23 Operation And Maintenance Of Railways ^(34 01)

34 01 23 33 Track Realignment ^(34 01 23)

34 01 23 33-0001 Realign Railroad Track ^(34 01 23 33)

34 01 23 33-0002	LF	Remove Track Rails And Ties And Re-Install Including New Bolts And Spikes.....	73.38
34 01 23 33-0003	EA	Remove Railroad Track Turnouts And Re-install Including New Bolts And Spikes	3,610.49

34 01 43 Operation And Maintenance Of Bridges ^(34 01)

34 01 43 00-0001 Repair Of Bridge Posts ^(34 01 43)

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	27.87
34 01 43 00-0003	EA	Replace Concrete Post, 20" x 20" Square, 36" To 42" High..... Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.	1,424.48
34 01 43 00-0004	EA	Repair Bearing Pad	509.10

34 01 43 00-0005 Repair Of Bridge Rails ^(34 01 43)

34 01 43 00-0006	EA	Repair Concrete Rail Supports	271.73
34 01 43 00-0007	LF	Repair Guardrail	101.90
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	169.84
34 01 43 00-0009	LF	Repair Bridge Rail.....	67.93
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	38.33
34 01 43 00-0011	LF	Replace Metal Rail, 1-1/2" Galvanized	41.37
34 01 43 00-0012	LF	Replace Metal Rail, 2-1/2" Galvanized	53.34
34 01 43 00-0013	LF	Replace Metal Rail, 3" Galvanized.....	59.59

34 01 43 00-0014 Repair Of Bridge ^(34 01 43)

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge.....	16.47
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34 05 Common Work Results For Transportation ⁽³⁴⁾

34 05 43 Common Work Results For Bridges ^(34 05)

34 05 43 00-0001 Mobilize Bridge Crew ^(34 05 43)

Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew.....	952.55
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34 05 43 00-0003 Bridge And Structures Concrete Repair ^(34 05 43)

Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.

34 05 43 00-0004 Patch Decks Or Floors ^(34 05 43 00-0003)

Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0005	EA	Patch Up To 16 SF Of Decks Or Floors, Portland Cement Based Repair Material.....	1,605.07
34 05 43 00-0006	SF	Patch >16 SF Decks Or Floors, Portland Cement Based Repair Material.....	67.20
34 05 43 00-0007	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Concrete Repair Material	1,643.75
34 05 43 00-0008	SF	Patch >16 SF Decks Or Floors, Rapid Set Concrete Repair Material.....	69.62
34 05 43 00-0009	EA	Patch Up To 16 SF Of Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate	1,635.19
34 05 43 00-0010	SF	Patch >16 SF Decks Or Floors, Rapid Set Polymer Concrete Methylmethacrylate	69.09
34 05 43 00-0011	EA	Patch Up To 16 SF Of Decks Or Floors, SSI Flex Patch (Other Than Specified).....	2,290.80
		<i>For Owner Furnished Material, Deduct</i>	<i>-819.41</i>
34 05 43 00-0012	SF	Patch >16 SF Decks Or Floors, SSI Flex Patch (Other Than Specified).....	110.06
		<i>For Owner Furnished Material, Deduct</i>	<i>-51.21</i>

34 05 43 00-0013 Patch Verticals Or Overheads ^(34 05 43 00-0003)

Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0014	EA	Patch Up To 16 SF Of Verticals Or Overheads, Portland Cement Based Repair Material	1,883.50
34 05 43 00-0015	SF	Patch >16 SF Verticals Or Overheads, Portland Cement Based Repair Material.....	80.93
34 05 43 00-0016	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Concrete Repair Material	1,922.18
34 05 43 00-0017	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Concrete Repair Material	83.35
34 05 43 00-0018	EA	Patch Up To 16 SF Of Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate	1,913.62
34 05 43 00-0019	SF	Patch >16 SF Verticals Or Overheads, Rapid Set Polymer Concrete Methylmethacrylate.....	82.82
34 05 43 00-0020	EA	Patch Up To 16 SF Of Verticals Or Overheads, SSI Flex Patch (Other Than Specified).....	2,585.07
		<i>For Owner Furnished Material, Deduct</i>	<i>-819.41</i>

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0021 SF Patch >16 SF Verticals Or Overheads, SSI Flex Patch (Other Than Specified)	123.79	
<i>For Owner Furnished Material, Deduct</i>	-50.22	
34 05 43 00-0022 Patch Pier Caps And Pedestals (34 05 43 00-0003)		
Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Portland Cement Based Repair Material	2,177.78	
34 05 43 00-0024 SF Patch >16 SF Pier Caps And Pedestals, Portland Cement Based Repair Material	91.97	
34 05 43 00-0025 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Concrete Repair Material	2,216.46	
34 05 43 00-0026 SF Patch >16 SF Pier Caps And Pedestals, Rapid Set Concrete Repair Material	94.39	
34 05 43 00-0027 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	2,207.90	
34 05 43 00-0028 SF Patch >16 SF Pier Caps And Pedestals, Rapid Set Polymer Concrete Methylmethacrylate	93.86	
34 05 43 00-0029 EA Patch Up To 16 SF Of Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	2,879.35	
<i>For Owner Furnished Material, Deduct</i>	-819.41	
34 05 43 00-0030 SF Patch >16 SF Pier Caps And Pedestals, SSI Flex Patch (Other Than Specified)	134.83	
<i>For Owner Furnished Material, Deduct</i>	-50.22	
34 05 43 00-0031 Patch Circular Piers (34 05 43 00-0003)		
Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032 EA Patch Up To 16 SF Of Circular Pier, Portland Cement Based Repair Material	2,619.20	
34 05 43 00-0033 SF Patch >16 SF Of Circular Pier, Portland Cement Based Repair Material	103.01	
34 05 43 00-0034 EA Patch Up To 16 SF Of Circular Pier, Rapid Set Concrete Repair Material	2,657.88	
34 05 43 00-0035 SF Patch >16 SF Of Circular Pier, Rapid Set Concrete Repair Material	105.43	
34 05 43 00-0036 EA Patch Up To 16 SF Of Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	2,649.32	
34 05 43 00-0037 SF Patch >16 SF Circular Pier, Rapid Set Polymer Concrete Methylmethacrylate	104.90	
34 05 43 00-0038 EA Patch Up To 16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	3,320.77	
<i>For Owner Furnished Material, Deduct</i>	-819.41	
34 05 43 00-0039 SF Patch >16 SF Of Circular Pier, SSI Flex Patch (Other Than Specified)	145.87	
<i>For Owner Furnished Material, Deduct</i>	-50.22	
34 05 43 00-0040 High Strength Shotcrete Repair (34 05 43)		
34 05 43 00-0041 EA Mobilize High Strength Shotcrete Repair Crew	584.55	
34 05 43 00-0042 SF Up to 2" Thick, High Strength Shotcrete Repair	44.97	
<i>For Up To 25 SF, Add</i>	21.93	
<i>For >25 To 50, Add</i>	10.96	
<i>For >50 To 150, Add</i>	4.39	
34 05 43 00-0043 SF >2" To 4" Thick, High Strength Shotcrete Repair	53.39	
<i>For Up To 25 SF, Add</i>	25.58	
<i>For >25 To 50, Add</i>	12.79	
<i>For >50 To 150, Add</i>	5.12	
34 05 43 00-0044 SF >4" To 6" Thick, High Strength Shotcrete Repair	61.81	
<i>For Up To 25 SF, Add</i>	29.23	
<i>For >25 To 50, Add</i>	14.62	
<i>For >50 To 150, Add</i>	5.85	
34 05 43 00-0045 Bridge Railing (34 05 43)		
34 05 43 00-0046 Remove And Store Bridge Railings (34 05 43 00-0045)		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0047 LF Remove And Store One Rail Bridge Railing	5.84	
34 05 43 00-0048 LF Remove And Store Two Rail Bridge Railing	11.68	
34 05 43 00-0049 LF Remove And Store Three Rail Bridge Railing	17.51	
34 05 43 00-0050 LF Remove And Store Four Rail Bridge Railing	23.35	
34 05 43 00-0051 Install Stored Or Supplied Bridge Railings (34 05 43 00-0045)		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0052 LF Install Stored Or Supplied One Rail Bridge Railing	49.19	
34 05 43 00-0053 LF Install Stored Or Supplied Two Rail Bridge Railing	98.38	
34 05 43 00-0054 LF Install Stored Or Supplied Three Rail Bridge Railing	147.57	
34 05 43 00-0055 LF Install Stored Or Supplied Four Rail Bridge Railing	196.78	
34 05 43 00-0056 Bridge Bearings (34 05 43)		
Note: Excludes drilling and anchor bolts.		
34 05 43 00-0057 Elastomeric Bearings (34 05 43 00-0056)		
34 05 43 00-0058 EA Plain Elastomeric, Type EP Bearing, 716-10, All Sizes	695.91	233.28
34 05 43 00-0059 EA Steel Laminated Elastomeric, Type EL Bearing, 716-11, All Sizes	1,318.58	466.56
34 05 43 00-0060 EA Elastomeric with External Load Plates, Type EB Bearing, 716-12, All Sizes	2,331.46	699.83
34 05 43 00-0061 Fixed Structural Pot Bearings (34 05 43 00-0056)		
34 05 43 00-0062 EA 100K To 250K Fixed Structural Pot Bearing	1,885.53	
34 05 43 00-0063 EA >250K To 500K Fixed Structural Pot Bearing	2,928.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0064 EA >500K To 750K Fixed Structural Pot Bearing.....	3,971.46	
34 05 43 00-0065 Universal Structural Expansion Pot Bearings (34 05 43 00-0056)		
34 05 43 00-0066 EA 100K To 250K Universal Structural Pot Bearing.....	2,411.28	
34 05 43 00-0067 EA >250K To 500K Universal Structural Pot Bearing.....	3,739.50	
34 05 43 00-0068 EA >500K To 750K Universal Structural Pot Bearing.....	5,070.61	
34 05 43 00-0069 Guided Structural Expansion Pot Bearings (34 05 43 00-0056)		
34 05 43 00-0070 EA 100K To 250K Guided Structural Pot Bearing.....	2,493.23	
34 05 43 00-0071 EA >250K To 500K Guided Structural Pot Bearing.....	3,862.41	
34 05 43 00-0072 EA >500K To 750K Guided Structural Pot Bearing.....	5,234.48	
34 05 43 00-0073 Remove, Repair And Install Bridge Bearings (34 05 43 00-0056)		
34 05 43 00-0074 Remove Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0075 EA 100K To 250K Structural Bearing Removal.....	335.33	
34 05 43 00-0076 EA >250K To 500K Structural Bearing Removal.....	670.68	
34 05 43 00-0077 EA >500K To 750K Structural Bearing Removal.....	1,006.01	
34 05 43 00-0078 Install And Set Supplied Or Restored Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0079 EA 100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing.....	503.01	
34 05 43 00-0080 EA >250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing.....	1,006.01	
34 05 43 00-0081 EA >500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing.....	1,509.02	
34 05 43 00-0082 Power Wash And Paint Structural Bearings (34 05 43 00-0073)		
Note: Includes bearing plates.		
34 05 43 00-0083 EA 100K To 250K Structural Bearing - Power Wash And Paint.....	782.54	
34 05 43 00-0084 EA >250K To 500K Structural Bearing - Power Wash And Paint.....	882.92	
34 05 43 00-0085 EA >500K To 750K Structural Bearing - Power Wash And Paint.....	983.29	
34 05 43 00-0086 Power Wash, Mechanically Clean And Paint Structural Bearings (34 05 43 00-0073)		
Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0087 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint.....	1,041.77	
<i>For Vacuum Contained Cleaning, Add</i>		
	259.21	
34 05 43 00-0088 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint.....	1,174.51	
<i>For Vacuum Contained Cleaning, Add</i>		
	291.60	
34 05 43 00-0089 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint.....	1,306.96	
<i>For Vacuum Contained Cleaning, Add</i>		
	323.92	
34 05 43 00-0090 Power Wash And Paint Only Bearing Plates (34 05 43 00-0073)		
34 05 43 00-0091 EA 100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	488.46	
34 05 43 00-0092 EA >250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	587.26	
34 05 43 00-0093 EA >500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates.....	686.05	
34 05 43 00-0094 Power Wash, Mechanically Clean And Paint Only Bearing Plates (34 05 43 00-0073)		
34 05 43 00-0095 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	651.38	
<i>For Vacuum Contained Cleaning, Add</i>		
	162.01	
34 05 43 00-0096 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	781.66	
<i>For Vacuum Contained Cleaning, Add</i>		
	194.40	
34 05 43 00-0097 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates.....	911.64	
<i>For Vacuum Contained Cleaning, Add</i>		
	226.72	
34 05 43 00-0098 Grease Structural Bearings (34 05 43 00-0073)		
34 05 43 00-0099 EA 100K To 250K Structural Bearing - Grease.....	48.60	
34 05 43 00-0100 EA >250K To 500K Structural Bearing - Grease.....	72.90	
34 05 43 00-0101 EA >500K To 750K Structural Bearing - Grease.....	97.20	
34 05 43 00-0102 Replace Bronze Plate Wearing Pad (34 05 43 00-0073)		
34 05 43 00-0103 SF Replace Bronze Plate Wearing Pad.....	275.39	
34 05 43 00-0104 Bridge Bearing Rivet Removal (34 05 43 00-0073)		
See CSI section 02 41 19 13-0068 for reaming of hole, 34 05 43 00-0183 for anchors and grouting.		
34 05 43 00-0105 EA Bridge Bearing Rivet Removal.....	194.40	
34 05 43 00-0106 Vertical Jacking And Lifting (34 05 43)		
Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0107 Mobilize Jacking Crew And Equipment <small>(34 05 43 00-0106)</small> Note: Includes removing equipment after completion.		
34 05 43 00-0108 EA Mobilize Bridge Jacking Crew and Equipment..... <i>For Temporary Support Mobilization, Add</i>	1,749.60 3,499.20	
34 05 43 00-0109 Vertical Jacking And Lifting Per Point of Contact <small>(34 05 43 00-0106)</small> Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0110 EA Up To 10 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	291.60 58.32 116.64	
34 05 43 00-0111 EA >10 To 20 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	340.20 68.04 136.08	
34 05 43 00-0112 EA >20 To 40 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	388.79 77.76 155.52	
34 05 43 00-0113 EA >40 To 60 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	437.40 87.48 174.96	
34 05 43 00-0114 EA >60 To 80 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	485.99 97.20 194.40	
34 05 43 00-0115 EA >80 To 100 Ton Jack, Per Point Of Contact..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	534.60 106.92 213.84	
34 05 43 00-0116 Daily Charge For Vertical Jacking Equipment <small>(34 05 43 00-0106)</small> Note: Includes hydraulics and synchronizing equipment.		
34 05 43 00-0117 DAY Up To 10 Ton Jacking Equipment Charge By The Day.....	8.43	
34 05 43 00-0118 DAY >10 To 20 Ton Jacking Equipment Charge By The Day.....	16.86	
34 05 43 00-0119 DAY >20 To 40 Ton Jacking Equipment Charge By The Day.....	33.72	
34 05 43 00-0120 DAY >40 To 60 Ton Jacking Equipment Charge By The Day.....	50.59	
34 05 43 00-0121 DAY >60 To 80 Ton Jacking Equipment Charge By The Day.....	67.45	
34 05 43 00-0122 DAY >80 To 100 Ton Jacking Equipment Charge By The Day.....	84.31	
34 05 43 00-0123 Pier Caps And Pedestal Replacement For Bridges <small>(34 05 43)</small> Note: Excludes demolition. See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0124 SF Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas.....	18.98	
34 05 43 00-0125 CWT Rebar For Pier Cap Or Pedestals.....	332.21	
34 05 43 00-0126 CY Pour Pier Cap Or Pedestals.....	319.01	
34 05 43 00-0127 CY Demolish Concrete Pedestal.....	3,127.10	
34 05 43 00-0128 Bridge Deck Repair <small>(34 05 43)</small>		
34 05 43 00-0129 Bridge Expansion Joint Repair <small>(34 05 43 00-0128)</small> Note: Replace header with semi-flexible polymer nosing system. Includes sawcutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0130 CF Replace Header With Semi-Flexible Polymer Nosing System.....	542.38	
34 05 43 00-0131 CI Seal Expansion Joints With Rapid Cure Silicone.....	4.55	
34 05 43 00-0132 CI Seal Expansion Joints With Closed Cell Foam/EVA.....	0.55	
34 05 43 00-0133 LF Seal Expansion Joints With "V" Shape Preformed Silicone.....	60.25	
34 05 43 00-0134 LF Seal Expansion Joints With "W" Shape Preformed Silicone.....	63.79	
34 05 43 00-0135 Replace Joint Seals <small>(34 05 43 00-0128)</small>		
34 05 43 00-0136 LF Replace Up To 1-1/2" Compression Seal For Existing Bridge Joint..... <i>For >1-1/2" Seal, Add</i>	65.22 12.85	
34 05 43 00-0137 LF Replace Strip Seal For Existing Bridge Joint.....	59.77	
34 05 43 00-0138 LF Replace Modular Seal For Existing Bridge Joint.....	114.52	
34 05 43 00-0139 Modular Expansion Joint Systems <small>(34 05 43 00-0128)</small>		
34 05 43 00-0140 LF One Cell Modular Expansion Joint System.....	334.61	
34 05 43 00-0141 LF Two Cell Modular Expansion Joint System.....	755.39	
34 05 43 00-0142 LF Four Cell Modular Expansion Joint System.....	1,509.85	
34 05 43 00-0143 Remove Existing Steel Joint System <small>(34 05 43 00-0128)</small>		
34 05 43 00-0144 LF Remove Existing Steel Joint System.....	63.86	
34 05 43 00-0145 Break-Up And Remove Bridge Decking By Machine <small>(34 05 43 00-0128)</small> Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0046 for saw cutting.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0146 SY Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine.....	13.50	
<i>For >500 To 1,000, Deduct</i>	-1.35	
<i>For >1,000 To 2,500, Deduct</i>	-2.43	
<i>For >2,500 To 5,000, Deduct</i>	-3.51	
<i>For >5,000 To 10,000, Deduct</i>	-4.59	
<i>For >10,000, Deduct</i>	-5.67	
34 05 43 00-0147 SY Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine.....	18.43	
<i>For >500 To 1,000, Deduct</i>	-1.84	
<i>For >1,000 To 2,500, Deduct</i>	-3.32	
<i>For >2,500 To 5,000, Deduct</i>	-4.79	
<i>For >5,000 To 10,000, Deduct</i>	-6.27	
<i>For >10,000, Deduct</i>	-7.74	
34 05 43 00-0148 SY Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine.....	22.36	
<i>For >500 To 1,000, Deduct</i>	-2.24	
<i>For >1,000 To 2,500, Deduct</i>	-4.02	
<i>For >2,500 To 5,000, Deduct</i>	-5.81	
<i>For >5,000 To 10,000, Deduct</i>	-7.60	
<i>For >10,000, Deduct</i>	-9.39	
34 05 43 00-0149 SY Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine.....	28.75	
<i>For >500 To 1,000, Deduct</i>	-2.88	
<i>For >1,000 To 2,500, Deduct</i>	-5.18	
<i>For >2,500 To 5,000, Deduct</i>	-7.48	
<i>For >5,000 To 10,000, Deduct</i>	-9.78	
<i>For >10,000, Deduct</i>	-12.08	
34 05 43 00-0150 SY Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine.....	51.41	
<i>For >500 To 1,000, Deduct</i>	-5.14	
<i>For >1,000 To 2,500, Deduct</i>	-9.25	
<i>For >2,500 To 5,000, Deduct</i>	-13.37	
<i>For >5,000 To 10,000, Deduct</i>	-17.48	
<i>For >10,000, Deduct</i>	-21.59	
34 05 43 00-0151 SY Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine.....	67.10	
<i>For >500 To 1,000, Deduct</i>	-6.71	
<i>For >1,000 To 2,500, Deduct</i>	-12.08	
<i>For >2,500 To 5,000, Deduct</i>	-17.45	
<i>For >5,000 To 10,000, Deduct</i>	-22.81	
<i>For >10,000, Deduct</i>	-28.18	
34 05 43 00-0152 SY Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine.....	87.72	
<i>For >500 To 1,000, Deduct</i>	-8.77	
<i>For >1,000 To 2,500, Deduct</i>	-15.79	
<i>For >2,500 To 5,000, Deduct</i>	-22.81	
<i>For >5,000 To 10,000, Deduct</i>	-29.82	
<i>For >10,000, Deduct</i>	-36.84	
34 05 43 00-0153 SY Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine.....	106.46	
<i>For >500 To 1,000, Deduct</i>	-10.65	
<i>For >1,000 To 2,500, Deduct</i>	-19.16	
<i>For >2,500 To 5,000, Deduct</i>	-27.68	
<i>For >5,000 To 10,000, Deduct</i>	-36.20	
<i>For >10,000, Deduct</i>	-44.71	
34 05 43 00-0154 Break-Up And Remove Bridge Decking By Hand <small>(34 05 43 00-0128)</small>		
<small>Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0046 for saw cutting.</small>		
34 05 43 00-0155 SF Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand.....	9.72	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0156 SF Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand.....	12.80	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0157 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand.....	16.63	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0158 SF Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand.....	12.16	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0159 SF Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand.....	15.20	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0160 SF Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand.....	18.24	
<small>Note: Includes jackhammer and hand tools.</small>		
34 05 43 00-0161 SF Chipping And Cleaning Of Bridge Deck After Break-up And Removals.....	4.13	
34 05 43 00-0162 Hydro Blasting Of Bridge Decks <small>(34 05 43 00-0128)</small>		
<small>Note: Excludes hauling and disposal of water and debris.</small>		
34 05 43 00-0163 EA Mobilization Of Hydro Blasting Equipment.....	9,631.32	
<small>Note: Includes trailer with power, hydro milling machine, vacuum machine.</small>		
34 05 43 00-0164 EA Mobilization Of Hydro Blasting Equipment.....	1,250.82	
<small>Note: Includes water tank, pump and miscellaneous fittings.</small>		
34 05 43 00-0165 SF Hydroblasting Of Up To 2-1/2" Of Bridge Decks.....	8.63	
34 05 43 00-0166 SF Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting.....	6.37	
34 05 43 00-0167 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum Up To 2-1/2".....	1.58	
34 05 43 00-0168 SF Hydroblasting 3" To 4-1/2" Of Bridge Decks.....	12.75	
34 05 43 00-0169 SF Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydroblasting.....	8.63	
34 05 43 00-0170 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum 3" To 4-1/2".....	4.13	
34 05 43 00-0171 GAL Water For Hydro Blasting.....	0.11	
<small>Note: Includes delivery.</small>		

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0172 Galvanic Anodes <small>(34 05 43)</small>		
34 05 43 00-0173 EA 2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP)	30.39	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0174 EA 4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT)	30.39	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0175 EA 2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2)	34.55	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0176 EA 4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4)	37.70	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0177 EA 2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+)	34.55	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0178 EA 1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65)	35.60	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0179 EA 1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100)	42.96	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0180 EA 1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135)	39.81	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0181 Bridge Netting Panels <small>(34 05 43)</small>		
34 05 43 00-0182 SF Bridge Netting Panel	5.17	
Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.		
For Up To 160 SF, Add	6.64	
For >160 To 320, Add	3.32	
For >320 To 480, Add	1.66	
For >2,000 To 10,000, Deduct	-0.22	
For >10,000 To 25,000, Deduct	-0.43	
For >25,000, Deduct	-0.65	
34 05 43 00-0183 Anchors <small>(34 05 43)</small>		
Note: Excludes core drilling. See CSI section 02 41 19 13-0068 for core drilling.		
34 05 43 00-0184 Threaded Rod, A449 <small>(34 05 43 00-0183)</small>		
34 05 43 00-0185 LF 7/8" Diameter Continuous Threaded Rod, A449	11.37	
34 05 43 00-0186 LF 1" Diameter Continuous Threaded Rod, A449	13.47	
34 05 43 00-0187 LF 1-1/8" Diameter Continuous Threaded Rod, A449	15.55	
34 05 43 00-0188 LF 1-1/4" Diameter Continuous Threaded Rod, A449	19.49	
34 05 43 00-0189 Flat Washers, F436 <small>(34 05 43 00-0183)</small>		
34 05 43 00-0190 EA 7/8" Flat Washer, F436	1.43	
34 05 43 00-0191 EA 1" Flat Washer, F436	1.66	
34 05 43 00-0192 EA 1-1/8" Flat Washer, F436	1.82	
34 05 43 00-0193 EA 1-1/4" Flat Washer, F436	2.08	
34 05 43 00-0194 Heavy Hex Nut, A194 <small>(34 05 43 00-0183)</small>		
34 05 43 00-0195 EA 7/8" Hex Nut, A194	2.73	
34 05 43 00-0196 EA 1" Hex Nut, A194	3.60	
34 05 43 00-0197 EA 1-1/8" Hex Nut, A194	4.24	
34 05 43 00-0198 EA 1-1/4" Hex Nut, A194	5.02	
34 05 43 00-0199 Grout For Threaded Rod <small>(34 05 43 00-0183)</small>		
34 05 43 00-0200 IN Grout 7/8" Rod In Hole	2.30	
34 05 43 00-0201 IN Grout 1" Rod In Hole	2.62	
34 05 43 00-0202 IN Grout 1-1/8" Rod In Hole	3.06	
34 05 43 00-0203 IN Grout 1-1/4" Rod In Hole	3.66	
34 05 43 00-0204 Test Grouted Anchor <small>(34 05 43 00-0183)</small>		
34 05 43 00-0205 EA Test Grouted Anchor	17.71	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0206				Removal Of Fasteners Or Anchors In Concrete <small>(34 05 43 00-0183)</small> Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
				34 05 43 00-0207 EA Drill Out 3/8" Diameter Fastener/Anchor In Concrete	19.54	
				34 05 43 00-0208 EA Drill Out 1/2" Diameter Fastener/Anchor In Concrete	21.00	
				34 05 43 00-0209 EA Drill Out 9/16" Diameter Fastener/Anchor In Concrete	21.87	
				34 05 43 00-0210 EA Drill Out 5/8" Diameter Fastener/Anchor In Concrete	23.56	
				34 05 43 00-0211 EA Drill Out 3/4" Diameter Fastener/Anchor In Concrete	25.80	
				34 05 43 00-0212 EA Drill Out 7/8" Diameter Fastener/Anchor In Concrete	28.41	
				34 05 43 00-0213 EA Drill Out 1" Diameter Fastener/Anchor In Concrete	30.00	
				34 05 43 00-0214 EA Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete.....	31.82	
				34 05 43 00-0215 EA Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete.....	34.06	
				34 05 43 00-0216 EA Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete.....	38.30	
34 05 43 00-0217				Bridge Surfacing <small>(34 05 43)</small>		
34 05 43 00-0218				Bridge Coatings <small>(34 05 43 00-0217)</small> Note: Includes sweeping of bridge deck.		
				34 05 43 00-0219 SF Protective Seal Coat For Existing Bridge Decks.....	1.40	
				34 05 43 00-0220 SF Penetrating Sealer For Existing Bridge Decks.....	2.21	
34 05 43 00-0221				Bridge Membranes <small>(34 05 43 00-0217)</small> Note: Excludes abrasive blasting of deck.		
				34 05 43 00-0222 SF Spray Applied Membranes For Bridge Decks.....	15.01	
				34 05 43 00-0223 SF Sheet Membranes For Bridge Decks.....	7.86	
34 05 43 00-0224				Sealer And/Overlay For Bridge Deck <small>(34 05 43 00-0217)</small> Note: Excludes sweeping, cleaning and abrasive blasting.		
				34 05 43 00-0225 SF Shot Blasting (Beads, Steel Balls, Etcetera) Bridge Decks.....	4.08	
				Note: Includes air cleaning of deck surface after shot blasting.		
				34 05 43 00-0226 SF Epoxy Bridge Deck Sealer.....	7.54	
				34 05 43 00-0227 SF Poly Bridge Deck Sealer.....	6.98	
				34 05 43 00-0228 SF HMWM (High Molecular Weight Methacrylate) Bridge Deck Sealer.....	12.89	
34 05 43 00-0229				Concrete Overlay For Bridge Deck <small>(34 05 43 00-0217)</small> Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
				34 05 43 00-0230 SY 3" Concrete Overlay For Bridge Deck.....	125.05	
				For DOT Class DP, Add	21.55	
				For DOT Class E, Add	7.03	
				For DOT Class HP, Add	20.57	
34 05 43 00-0231				Bridge Roadway Grooving <small>(34 05 43 00-0217)</small>		
				34 05 43 00-0232 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal.....	2,779.59	
				34 05 43 00-0233 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal.....	2.58	
				34 05 43 00-0234 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse.....	3,096.57	
				34 05 43 00-0235 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse.....	3.36	
34 05 43 00-0236				Gravity Fed Concrete Crack Repair <small>(34 05 43 00-0217)</small> Note: Includes removing loose materials and cleaning.		
				34 05 43 00-0237 LF Epoxy Low Viscosity Gravity Fed Concrete Crack Repair.....	2.13	
				34 05 43 00-0238 LF HMWM Low Viscosity Gravity Fed Concrete Crack Repair.....	2.51	
34 05 43 00-0239				Bridge Girder Repair <small>(34 05 43)</small>		
34 05 43 00-0240				Bridge Girder Repair <small>(34 05 43 00-0239)</small> Note: Does not include mobilization of bridge jacking crew.		
				34 05 43 00-0241 HR UT, MT, PT Testing	75.00	
				Note: Does not include mileage to job site.		
				34 05 43 00-0242 EA Mobilization of Bridge Girder Repair Crew.....	1,898.14	
				34 05 43 00-0243 LF 3" x 3" x 1/4" Angle Iron For Bridge Repair.....	9.37	4.47
				Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
				For Fractured Critical, Add	20.00	
				For Stainless Steel, Add	10.91	
				For Aluminum, Add	0.61	
				For Galvanized Steel, Add	2.11	
				34 05 43 00-0244 LF 4" x 4" x 1/4" Angle Iron For Bridge Repair.....	11.89	5.46
				Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
				For Fractured Critical, Add	20.00	
				For Stainless Steel, Add	14.75	
				For Aluminum, Add	0.83	
				For Galvanized Steel, Add	2.86	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0245 LF 3" x 3" x 3/8" Angle Iron For Bridge Repair.....	11.72	5.03
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	16.06	
<i>For Aluminum, Add</i>	0.90	
<i>For Galvanized Steel, Add</i>	3.11	
34 05 43 00-0246 LF 4" x 4" x 3/8" Angle Iron For Bridge Repair.....	14.98	6.11
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	21.86	
<i>For Aluminum, Add</i>	1.23	
<i>For Galvanized Steel, Add</i>	4.23	
34 05 43 00-0247 LF 6" x 4" x 3/8" Angle Iron For Bridge Repair.....	19.23	7.98
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	27.49	
<i>For Aluminum, Add</i>	1.55	
<i>For Galvanized Steel, Add</i>	5.33	
34 05 43 00-0248 LF 6" x 6" x 3/8" Angle Iron For Bridge Repair.....	21.05	7.98
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	33.31	
<i>For Aluminum, Add</i>	1.87	
<i>For Galvanized Steel, Add</i>	6.45	
34 05 43 00-0249 LF 6" x 6" x 1/2" Angle Iron For Bridge Repair.....	27.98	10.72
<i>For Stainless Steel, Add</i>	43.81	
<i>For Aluminum, Add</i>	2.46	
<i>For Galvanized Steel, Add</i>	8.49	
34 05 43 00-0250 LF 7" x 4" x 5/8" Angle Iron For Bridge Repair.....	30.50	11.29
<i>For Galvanized Steel, Add</i>	9.57	
34 05 43 00-0251 LF 5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair.....	26.48	9.49
<i>For Galvanized Steel, Add</i>	8.57	
34 05 43 00-0252 LF 6" x 4" x 3/4" Angle Iron For Bridge Repair.....	31.57	11.30
<i>For Galvanized Steel, Add</i>	10.22	
34 05 43 00-0253 LF 7" x 4" x 3/4" Angle Iron For Bridge Repair.....	35.04	12.55
<i>For Galvanized Steel, Add</i>	11.35	
34 05 43 00-0254 LF 8" x 6" x 7/8" Angle Iron For Bridge Repair.....	50.62	17.48
<i>For Galvanized Steel, Add</i>	16.93	
34 05 43 00-0255 LF C4 x 5.4 - 4" Wide (Channels) For Bridge Repair.....	13.46	5.75
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	18.53	
<i>For Aluminum, Add</i>	1.04	
<i>For Galvanized Steel, Add</i>	3.59	
34 05 43 00-0256 LF C6 x 8.2 - 6" Wide (Channels) For Bridge Repair.....	18.14	7.22
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	27.26	
<i>For Aluminum, Add</i>	1.53	
<i>For Galvanized Steel, Add</i>	5.28	
34 05 43 00-0257 SF 1/2" A36 Steel Plates For Bridge Repair.....	35.54	12.23
<i>For A50 Grade, Add</i>	1.13	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0258 SF 5/8" A36 Steel Plates For Bridge Repair.....	44.42	15.29
<i>For A50 Grade, Add</i>	1.42	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0259 SF 3/4" A36 Steel Plates For Bridge Repair.....	53.31	18.25
<i>For A50 Grade, Add</i>	1.70	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0260 SF 7/8" A36 Steel Plates For Bridge Repair.....	62.20	21.40
<i>For A50 Grade, Add</i>	1.98	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0261 SF 1" A36 Steel Plates For Bridge Repair.....	71.07	24.46
<i>For A50 Grade, Add</i>	2.27	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0262 SF 1-1/4" A36 Steel Plates For Bridge Repair.....	88.85	30.57
<i>For A50 Grade, Add</i>	2.83	
34 05 43 00-0263 SF 1-3/8" A36 Steel Plates For Bridge Repair.....	97.73	33.63
<i>For A50 Grade, Add</i>	3.12	
34 05 43 00-0264 SF 1-1/2" A36 Steel Plates For Bridge Repair.....	106.61	36.68
<i>For A50 Grade, Add</i>	3.40	
34 05 43 00-0265 CWT Removal Of Existing Steel For Bridge Repair A36.....	49.38	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	9.88	
<i>For Removal Over 50' To 75', Add</i>	17.28	
<i>For Removal Over 75', Add</i>	24.69	
34 05 43 00-0266 TON Removal Of Existing Steel For Bridge Repair A36.....	658.47	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	131.69	
<i>For Removal Over 50' To 75', Add</i>	230.46	
<i>For Removal Over 75', Add</i>	329.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0267 CWT Miscellaneous Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'. <i>For A50 Grade Steel, Add</i> <i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i> <i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	253.29 40.78 30.00 20.00	
34 05 43 00-0268 TON Miscellaneous Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'. <i>For A50 Grade Steel, Add</i> <i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i> <i>Cutting Fee For I-beams, Floor Beams And Plates Over 5'x5', Add Per Each Piece</i>	4,005.50 669.41 30.00 30.00	
34 05 43 00-0269 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter..... Note: Per each hole drilled per steel member.	29.30	
34 05 43 00-0270 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter..... Note: Per each hole drilled per steel member.	38.00	
34 05 43 00-0271 EA Bolts A325 For Steel Repair Connections Up To 7/8".....	20.82	1.70
34 05 43 00-0272 EA Bridge Girder Rivet Removal	264.09	
34 05 43 00-0273 LF Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting..... Note: Includes rust or scale removal.	4.90	
34 05 43 00-0274 LF >1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting..... Note: Includes rust or scale removal.	8.87	
34 05 43 00-0275 LF >1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting..... Note: Includes rust or scale removal.	12.83	
34 05 43 00-0276 LF >1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting..... Note: Includes rust or scale removal.	16.81	
34 05 43 00-0277 LF >2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting..... Note: Includes rust or scale removal.	20.78	
34 05 43 00-0278 LF >2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting..... Note: Includes rust or scale removal.	24.75	
34 05 43 00-0279 Galvanized Anchor Bolts For Bridge Bearings (34 05 43 00-0239)		
34 05 43 00-0280 EA 1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	6.39	
34 05 43 00-0281 EA 1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings.....	9.41	
34 05 43 00-0282 EA 1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	11.20	
34 05 43 00-0283 EA 5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	12.64	
34 05 43 00-0284 EA 5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	15.29	
34 05 43 00-0285 EA 5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	17.17	
34 05 43 00-0286 EA 3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	17.10	
34 05 43 00-0287 EA 3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	19.52	
34 05 43 00-0288 EA 3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	23.65	
34 05 43 00-0289 EA 3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	28.45	
34 05 43 00-0290 EA 7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	22.48	
34 05 43 00-0291 EA 7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	26.40	
34 05 43 00-0292 EA 7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	33.32	
34 05 43 00-0293 EA 1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	27.62	
34 05 43 00-0294 EA 1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	32.81	
34 05 43 00-0295 EA 1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	40.44	
34 05 43 00-0296 EA 1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	49.85	
34 05 43 00-0297 EA 1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	32.81	
34 05 43 00-0298 EA 1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	39.04	
34 05 43 00-0299 EA 1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	48.19	
34 05 43 00-0300 EA 1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	59.35	
34 05 43 00-0301 EA 1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	39.28	
34 05 43 00-0302 EA 1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	46.79	
34 05 43 00-0303 EA 1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	57.81	
34 05 43 00-0304 EA 1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	71.13	
34 05 43 00-0305 EA 1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	47.36	
34 05 43 00-0306 EA 1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	56.44	
34 05 43 00-0307 EA 1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	69.83	
34 05 43 00-0308 EA 1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	85.88	
34 05 43 00-0309 Welding For Bridge Repair (34 05 43 00-0239)		
34 05 43 00-0310 EA Minimum Charge For Welding For Bridge Repair..... Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	993.59	
34 05 43 00-0311 LF 3/16" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	11.83 4.63	
34 05 43 00-0312 LF 1/4" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	17.76 6.95	
34 05 43 00-0313 LF 5/16" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	23.70 9.27	
34 05 43 00-0314 LF 3/8" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	29.61 11.59	
34 05 43 00-0315 LF 7/16" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	35.26 13.90	
34 05 43 00-0316 LF 1/2" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	41.12 16.09	
34 05 43 00-0317 LF 9/16" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	48.20 18.96	
34 05 43 00-0318 LF 5/8" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	53.08 20.86	

34 Transportation**34 05 Common Work Results For Transportation****34 05 43 Common Work Results For Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0319 LF 3/4" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	72.87 28.50	
34 05 43 00-0320 LF 7/8" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	96.26 37.78	
34 05 43 00-0321 LF 1" Fillet Welding For Bridge Repair..... <i>For Full Penetration Weld, Add</i>	133.38 52.14	
34 05 43 00-0322 Spot Paint Reval And Painting, Bridge Structural Steel (34 05 43)		
34 05 43 00-0323 HR Testing For Lead And Asbestos Paint Removal By Asbestos Contractor.....	80.00	
34 05 43 00-0324 EA Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	153.99	
34 05 43 00-0325 SF >4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	38.50	
34 05 43 00-0326 EA Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal..... Note: Includes HEPA vacuuming.	199.59	
34 05 43 00-0327 SF >4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal..... Note: Includes HEPA vacuuming.	49.90	
34 05 43 00-0328 CF Treat and Dispose of Removed Paint Waste.....	3.86	
34 05 43 00-0329 SF Flat Surfaces Spot Painting..... Note: Includes 1 coat primer and 2 coats finish.	40.72	
34 05 43 00-0330 EA Minimum Charge For Plastic Barrier Enclosure for Paint Removal..... Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	933.11	
34 05 43 00-0331 SF Plastic Barrier Enclosure For Paint Removal..... Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	2.91	
34 05 43 00-0332 Snow And Pedestrian Fences For Bridges (34 05 43)		
34 05 43 00-0333 Snow And Pedestrian Fence Assembly For Bridges (34 05 43 00-0332) Note: Includes 1" 11 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' O.C. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0334 Galvanized Snow And Pedestrian Fence Assembly For Bridges (34 05 43 00-0333)		
34 05 43 00-0335 LF 4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	28.45 1.62 6.19 5.92 2.25	7.18
34 05 43 00-0336 LF >4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	30.99 1.76 6.71 6.38 2.42	7.53
34 05 43 00-0337 LF >5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	33.54 1.89 7.22 6.85 2.59	7.89
34 05 43 00-0338 LF >6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	35.57 2.01 7.64 7.23 2.73	8.24
34 05 43 00-0339 LF >7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	39.98 2.25 8.54 8.06 3.03	8.97
34 05 43 00-0340 Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges (34 05 43 00-0333)		
34 05 43 00-0341 LF 4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	29.99 2.70 5.39 1.70 6.47 6.15 2.33	7.18
34 05 43 00-0342 LF >4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C..... <i>For Powder Coated, Add</i> <i>For Aluminum Coated, Add</i> <i>For Posts 8' On Centers, Add</i> <i>For Posts 5' On Centers, Add</i> <i>For Up To 100, Add</i> <i>For >100 To 250, Add</i>	32.93 3.12 6.24 1.85 7.05 6.67 2.51	7.53



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0343 LF >5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	37.48	7.89
For Powder Coated, Add	3.86	
For Aluminum Coated, Add	7.73	
For Posts 8' On Centers, Add	2.09	
For Posts 5' On Centers, Add	7.93	
For Up To 100, Add	7.44	
For >100 To 250, Add	2.78	
34 05 43 00-0344 LF >6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	40.15	8.24
For Powder Coated, Add	4.23	
For Aluminum Coated, Add	8.46	
For Posts 8' On Centers, Add	2.24	
For Posts 5' On Centers, Add	8.46	
For Up To 100, Add	7.92	
For >100 To 250, Add	2.96	
34 05 43 00-0345 LF >7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' O.C.....	45.33	8.97
For Powder Coated, Add	4.94	
For Aluminum Coated, Add	9.87	
For Posts 8' On Centers, Add	2.51	
For Posts 5' On Centers, Add	9.50	
For Up To 100, Add	8.86	
For >100 To 250, Add	3.30	
34 05 43 00-0346 Bridge Connection Mounting For Snow And Pedestrian Fence Assembly <small>(34 05 43 00-0333)</small>		
34 05 43 00-0347 EA Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts.....	43.26	
Note: Includes drilling into steel post.		
34 05 43 00-0348 EA Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint.....	25.44	
34 05 43 00-0349 EA Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint.....	59.87	
34 05 43 00-0350 EA Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts.....	66.87	
Note: Includes drilling into steel post.		
34 05 43 00-0351 EA Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts.....	89.18	
Note: Includes drilling into steel post.		
34 10 Guideways/Railways <small>(34)</small>		
34 11 Rail Tracks <small>(34 10)</small>		
34 11 93 Track Appurtenances And Accessories <small>(34 11)</small>		
34 11 93 00-0001 Railroad Crossings <small>(34 11 93)</small>		
34 11 93 00-0002 Asphalt Railroad Crossings <small>(34 11 93 00-0001)</small>		
Note: Based on 8" thickness x 20' including track and approach.		
34 11 93 00-0003 EA 8" Asphalt Railroad Crossing, 12' Roadway 6 CY.....	1,590.94	256.72
34 11 93 00-0004 EA 8" Asphalt Railroad Crossing, 15' Roadway 7.4 CY.....	1,869.24	290.94
34 11 93 00-0005 EA 8" Asphalt Railroad Crossing, 18' Roadway 8.9 CY.....	2,205.85	342.29
34 11 93 00-0006 EA 8" Asphalt Railroad Crossing, 21' Roadway 10.4 CY.....	2,620.71	410.75
34 11 93 00-0007 EA 8" Asphalt Railroad Crossing, 24' Roadway 11.9 CY.....	3,172.46	513.43
34 11 93 00-0008 Railroad Crossings - Precast Concrete Inserts <small>(34 11 93 00-0001)</small>		
Note: Based on 6" thickness x standard rail width gauge.		
34 11 93 00-0009 EA Precast Concrete, Railroad Crossing, 12' Road 6" Thick, Standard Gauge.....	3,935.49	121.11
34 11 93 00-0010 EA Precast Concrete, Railroad Crossing, 15' Road 6" Thick, Standard Gauge.....	4,919.36	147.07
34 11 93 00-0011 EA Precast Concrete, Railroad Crossing, 18' Road 6" Thick, Standard Gauge.....	5,898.94	181.67
34 11 93 00-0012 EA Precast Concrete, Railroad Crossing, 21' Road 6" Thick, Standard Gauge.....	6,879.63	207.62
34 11 93 00-0013 EA Precast Concrete, Railroad Crossing, 24' Road 6" Thick, Standard Gauge.....	7,859.62	242.23
34 11 93 00-0014 Molded Rubber Railroad Crossings With Headers <small>(34 11 93 00-0001)</small>		
Note: Based on 3' x 8'-6" sections.		
34 11 93 00-0015 EA Molded Rubber Railroad Crossing, 12' Road 3' x 8'-6" Sections With Headers.....	2,910.66	121.11
34 11 93 00-0016 EA Molded Rubber Railroad Crossing, 15' Road 3' x 8'-6" Sections With Headers.....	3,450.66	147.07
34 11 93 00-0017 EA Molded Rubber Railroad Crossing, 18' Road 3' x 8'-6" Sections With Headers.....	3,986.38	181.67
34 11 93 00-0018 EA Molded Rubber Railroad Crossing, 21' Road 3' x 8'-6" Sections With Headers.....	4,523.20	207.62
34 11 93 00-0019 EA Molded Rubber Railroad Crossing, 24' Road 3' x 8'-6" Sections With Headers.....	5,059.33	242.23
34 11 93 00-0020 Railroad Trackage Demolition <small>(34 11 93)</small>		
34 11 93 00-0021 CY Remove Railroad Track Ballast.....	7.07	
34 11 93 00-0022 LF Remove Railroad Track Rail And Spikes.....	17.69	
34 11 93 00-0023 EA Remove/Dispose Of Concrete Post Footings.....	102.74	
34 11 93 00-0024 EA Backfill Holes From Post Removal.....	42.83	

34 40 Transportation Signaling and Control Equipment (34)

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**34 41 Roadway Signaling and Control Equipment** (34 40)**34 41 13 Traffic Signals** (34 41)**34 41 13 00-0001 Traffic Signals** (34 41 13)

34 41 13 00-0002 EA Single Traffic Signal Head, 4 Way Pattern.....4,807.93 556.36

34 41 13 00-0003 Traffic Detector Induction Loop (34 41 13)34 41 13 00-0004 EA 6' x 6' Traffic Signal Loop, Type A, 3 Turns Per Loop.....291.03
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0005 EA 6' x 6' Traffic Signal Loop, Type D, 3 Turns Per Loop.....363.19
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0006 EA 6' x 6' Traffic Signal Loop, Type D, 5 Turns Per Loop.....407.70
Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0007 EA 6' x 6' Traffic Signal Loop, Type Q, 3 Turns Per Loop.....356.83
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0008 EA 6' x 20' Traffic Signal Loop, Type C, 3 Turns Per Loop.....619.20
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0009 EA 6' x 28' Traffic Signal Loop, Type C, 2 Turns Per Loop.....764.01
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0010 EA 6' x 28' Traffic Signal Loop, Type C, 3 Turns Per Loop.....809.79
Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0011 EA 6' x 40' Traffic Signal Loop, Type C, 1 Turn Per Loop.....1,013.52
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0012 EA 6' x 40' Traffic Signal Loop, Type C, 2 Turns Per Loop.....1,081.15
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0013 EA 6' x 50' Traffic Signal Loop, Type C, 1 Turn Per Loop.....1,169.91
Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0014 EA 6' x 50' Traffic Signal Loop, Type C, 2 Turns Per Loop.....1,252.53
Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street.
Excludes lead wire, controller, junction box or conduit.34 41 13 00-0015 LF Traffic Signal Detector Lead Wire For Loop Cable In Pavement.....5.36
Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.34 41 13 00-0016 LF Traffic Signal Detector Lead Wire For Loop Cable In Earthwork.....2.47
Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.

34 41 13 00-0017 EA Vehicle Traffic Loop Detector, 2 Channel, Rack Mounted (Reno A&E Model 222).....149.58

34 41 13 00-0018 EA Vehicle Traffic Loop Detector, 2 Channel, Rack Mounted (Reno A&E Model C-1100).....255.86

34 41 13 00-0019 EA Vehicle Traffic Loop Detector, 4 Channel, Rack Mounted (Reno A&E Model E-1100).....406.75

34 41 13 00-0020 Overhead Traffic Signals (34 41 13)

34 41 13 00-0021 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....3,497.25 741.80

34 41 13 00-0022 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....3,593.77 741.80

34 41 13 00-0023 EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)3,724.35 741.80

34 41 13 00-0024 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way661.34 164.58

34 41 13 00-0025 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way718.11 164.58

34 41 13 00-0026 EA Optical Detector For Mast Arm Mounting, 2 Channel.....904.33 164.58

34 41 13 00-0027 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way661.34 164.58

34 41 13 00-0028 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way718.11 164.58

34 41 13 00-0029 EA Optical Detector For Pole-Side Mounting, 2 Channel904.33 164.58

34 41 13 00-0030 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....661.34 164.58

34 41 13 00-0031 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....718.11 164.58

34 41 13 00-0032 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel904.33 164.58

34 41 13 00-0033 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....661.34 164.58

34 41 13 00-0034 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....718.11 164.58

34 41 13 00-0035 EA Optical Detector For Span Wire Mounting, 2 Channel904.33 164.58

34 41 13 00-0036 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....661.34 164.58

34 41 13 00-0037 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....718.11 164.58

34 41 13 00-0038 EA Optical Detector For Signal Top Mounting, 2 Channel.....904.33 164.58

34 41 13 00-0039 EA Phase Selector, 2 Channel1,943.10 20.58

34 41 13 00-0040 EA Phase Selector, 4 Channel3,016.15 20.58

34 41 13 00-0041 EA Malfunction Management Unit For Use With NEMA Controller.....990.70 41.14

34 41 13 00-0042 EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....990.70 41.14

34 41 13 00-0043 EA Time Switch, 1-Circuit.....135.45 24.69

34 41 13 00-0044 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....199.99 10.28

34 41 13 00-0045 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay260.17 10.28

34 41 13 00-0046 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....368.04 10.28

34 41 13 00-0047 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay461.15 10.28

34 41 13 00-0048 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet1,244.65 10.28

34 41 13 00-0049 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....1,244.65 10.28



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
34 41 13 00-0050	EA	Power Line Surge Protector.....	117.26	6.17
34 41 13 00-0051	EA	Loop Detector Surge Protector.....	61.01	6.17
34 41 13 00-0052	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	7,789.60	1,043.16
34 41 13 00-0053	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	8,436.84	1,043.16
34 41 13 00-0054	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	9,214.65	1,043.16
34 41 13 00-0055	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	9,453.11	1,043.16
34 41 13 00-0056	EA	Speed Limit Beacon Control Option.....	3,395.11	278.18
34 41 13 00-0057	EA	Speed Limit Beacon Control Cabinet.....	3,951.45	556.36
34 41 13 00-0058	EA	Remote Detector Cabinet.....	2,191.42	556.36
34 41 13 00-0059	EA	Traffic Signal Hand Control.....	582.87	92.73
34 41 13 00-0060	EA	Load Switch.....	56.63	6.17
34 41 13 00-0061	EA	Extra Pedestrian Detector Isolation Assembly.....	469.33	92.73
34 41 13 00-0062	EA	Fiber Optic Transceivers-Repeater Module.....	634.52	164.58
34 41 13 00-0063	EA	Field Transceiver-Repeater.....	281.58	41.14
34 41 13 00-0064	EA	30" Pedestal With Base Plate And Cover.....	498.85	82.75
34 41 13 00-0065	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal).....	581.32	86.51
34 41 13 00-0066	EA	8' Pedestal With Base Plate And Cover.....	724.30	97.05
34 41 13 00-0067	EA	11' Pedestal With Base Plate And Cover.....	805.23	105.32
34 41 13 00-0068	EA	15' Pedestal With Base Plate And Cover.....	897.78	125.64
34 41 13 00-0069	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	0.96	
34 41 13 00-0070	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.03	
34 41 13 00-0071	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.18	
34 41 13 00-0072	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.32	
34 41 13 00-0073	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.47	
34 41 13 00-0074	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.70	
34 41 13 00-0075	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.92	
34 41 13 00-0076	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.30	
34 41 13 00-0077	LF	3/16" Diameter Messenger Cable.....	0.72	0.08
34 41 13 00-0078	LF	1/4" Diameter Messenger Cable.....	0.94	0.08
34 41 13 00-0079	LF	3/8" Diameter Messenger Cable.....	1.51	0.08
34 41 13 00-0080	LF	1/2" Diameter Messenger Cable.....	2.20	0.17
34 41 13 00-0081	EA	4' Diameter x 10' Concrete Base For Poles.....	1,863.58	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0082	EA	4' Diameter x 16' Concrete Base For Poles.....	2,968.83	
		Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0083	EA	Internally Illuminated Street Name Sign, 1 Line, 4'.....	1,551.82	185.45
34 41 13 00-0084	EA	Internally Illuminated Street Name Sign, 1 Line, 6'.....	1,917.07	231.82
34 41 13 00-0085	EA	Internally Illuminated Street Name Sign, 1 Line, 8'.....	2,100.64	278.18
34 41 13 00-0086	EA	Internally Illuminated Street Name Sign, 1 Line, 10'.....	2,375.04	324.54
34 41 13 00-0087	EA	Internally Illuminated Street Name Sign, 1 Line, 12'.....	2,558.60	370.90
34 41 13 00-0088	EA	Internally Illuminated Street Name Sign, 2 Line, 4'.....	2,410.26	185.45
34 41 13 00-0089	EA	Internally Illuminated Street Name Sign, 2 Line, 6'.....	2,970.81	231.82
34 41 13 00-0090	EA	Internally Illuminated Street Name Sign, 2 Line, 8'.....	3,217.97	278.18
34 41 13 00-0091	EA	Internally Illuminated Street Name Sign, 2 Line, 10'.....	3,601.38	324.54
34 41 13 00-0092	EA	Internally Illuminated Street Name Sign, 2 Line, 12'.....	3,875.78	370.90
34 41 13 00-0093	EA	Photoelectric Controller, Multi-Volt.....	59.83	21.40
34 41 13 00-0094	EA	Photoelectric Controller, 120 Volt.....	63.55	21.40
34 41 13 00-0095	EA	Photoelectric Controller, 480 Volt.....	63.55	21.40
34 41 13 00-0096	EA	Wi-Fi Communication Unit.....	808.84	92.73
34 41 13 00-0097	EA	Wi-Fi Communication Unit Mounting Bracket.....	195.87	69.54
34 41 13 00-0098	EA	Wi-Fi Communication Unit Power Supply / POE Injector.....	171.08	46.36
34 41 13 00-0099	EA	Wi-Fi Communication Unit Packet.....	1,175.78	139.09
34 41 13 00-0100	LF	Preemptor Detector Cable.....	1.67	
34 41 13 00-0101	EA	Sno-Shoe Cable Storage Assembly.....	154.82	
34 41 13 00-0102	CLF	Detectable Underground Marking Tape.....	7.13	
34 41 13 00-0103	EA	16" Pedestal With Base Plate And Cover.....	945.09	125.64
34 41 13 00-0104	EA	Vehicle Signal Face, 1 - 12" Section.....	351.14	118.22
34 41 13 00-0105	EA	Vehicle Signal Face, 2 - 12" Sections.....	559.78	166.90
34 41 13 00-0106	EA	Vehicle Signal Face, 3 - 12" Sections.....	771.35	203.99
34 41 13 00-0107	EA	Vehicle Signal Face, 3 - 12" Sections, Middle Section Blank.....	737.29	203.99
34 41 13 00-0108	EA	Vehicle Signal Face, 4 - 12" Sections.....	965.34	227.18
34 41 13 00-0109	EA	Vehicle Signal Face, 5 - 12" Sections.....	1,140.76	241.09
34 41 13 00-0110	EA	Vehicle Signal Face, 5 - 12" Sections, Cluster.....	1,206.62	241.09
34 41 13 00-0111	EA	Vehicle Signal Face, 1 - 8" Section.....	334.10	118.22
34 41 13 00-0112	EA	Vehicle Signal Face, 2 - 8" Sections.....	525.72	166.90
34 41 13 00-0113	EA	Vehicle Signal Face, 3 - 8" Sections.....	688.46	203.99
34 41 13 00-0114	EA	Vehicle Signal Face, 2 - 8" Sections, 1 - 12" Section.....	730.47	203.99
34 41 13 00-0115	EA	Vehicle Signal Face, 2 - 8" Sections, 2 - 12" Sections.....	892.66	227.18
34 41 13 00-0116	EA	Vehicle Signal Face, 3 - 8" Sections, 1 - 12" Section.....	868.82	227.18
34 41 13 00-0117	EA	Vehicle Signal Face, 3 - 8" Sections, 2 - 12" Sections.....	1,015.85	241.09
34 41 13 00-0118	EA	Vehicle Signal Face, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,069.22	241.09
34 41 13 00-0119	EA	Vehicle Signal Face, 3 - 12" Sections, Optically Programmed.....	1,475.36	203.99
34 41 13 00-0120	EA	Vehicle Signal Face, 4 - 12" Sections, Optically Programmed.....	1,911.21	227.18
34 41 13 00-0121	EA	Vehicle Signal Face, 5 - 12" Sections, Optically Programmed.....	2,469.29	241.09
34 41 13 00-0122	EA	Vehicle Signal Face, 5 - 12" Sections In Cluster, Optically Programmed.....	2,668.01	241.09
34 41 13 00-0123	EA	Bracket Signal Mounting Assembly.....	328.52	92.73
34 41 13 00-0124	EA	Mast Arm Signal Mounting Assembly.....	591.19	185.45
34 41 13 00-0125	EA	Top Pole Signal Mounting Assembly.....	209.49	69.54
34 41 13 00-0126	EA	Pedestrian Signal Head.....	584.76	139.09
34 41 13 00-0127	EA	Pedestrian Signal Insert.....	353.70	69.54
34 41 13 00-0128	EA	Audible Pedestrian Signal.....	893.42	

34 Transportation
34 40 Transportation Signaling and Control Equipment
34 41 Roadway Signaling and Control Equipment



MINOR
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION
UNIT COST UNIT COST

34 41 13 00-0129	EA	Junction Box, Pole Or Post Mounted	361.09	
34 41 13 00-0130	EA	Pedestrian Push Button	328.29	
34 41 13 00-0131	EA	Illuminated Sign, Bracket Mounted, Symbolic.....	2,601.29	
34 41 13 00-0132	EA	Illuminated Sign, Mast Arm Mounted, Symbolic.....	2,717.42	
34 41 13 00-0133	EA	Sign, Message, "BLANK OUT", Bracket Mounted	2,860.36	
34 41 13 00-0134	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	3,042.91	
34 41 13 00-0135	EA	Sign, Fiber Optic, Bracket Mounted	3,253.21	
34 41 13 00-0136	EA	Sign, Fiber Optic, Mast Arm Mounted	3,439.60	
34 41 13 00-0137	EA	30' Type 15TS Signal And Lighting Standard.....	4,889.67	
		Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0138	EA	35' Type 21TS Signal And Lighting Standard	5,679.99	
		Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0139	EA	17' Type 18-2-100 Signal And Lighting Standard.....	2,749.00	
		Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0140	EA	17' Type 18-3-100 Signal And Lighting Standard.....	3,054.14	
		Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0141	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard	3,171.12	
		Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0142	EA	17' Type 23-3-100 Signal And Lighting Standard.....	3,171.12	
		Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0143	EA	17' Type 23-4-100 Signal And Lighting Standard.....	3,232.53	
		Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0144	EA	17' Type 27-3-100 Signal And Lighting Standard.....	3,539.59	
		Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0145	EA	17' Type 27-4-100 Signal And Lighting Standard.....	3,610.20	
		Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0146	EA	17' Type 28-5-100 Signal And Lighting Standard.....	3,754.98	
		Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0147	EA	17' Type 60-5-100 Signal And Lighting Standard.....	3,983.01	
		Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0148	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard	2,928.51	
		Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0149	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard	5,210.07	
		Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0150	EA	30' Type 19-2-100 Signal And Lighting Standard.....	5,850.87	
		Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0151	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard	6,096.52	
		Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0152	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard	6,096.52	
		Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0153	EA	30' Type 26-3-100 Signal And Lighting Standard.....	6,870.28	
		Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0154	EA	30' Type 26-4-100 Signal And Lighting Standard.....	7,166.90	
		Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0155	EA	30' Type 29-5-100 Signal And Lighting Standard.....	7,478.33	
		Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0156	EA	30' Type 61-5-100 Signal And Lighting Standard	7,968.87	
		Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0157	EA	35' Type 17A-2-100 Signal And Lighting Standard	6,056.09	
		Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0158	EA	35' Type 19A-2-100 Signal And Lighting Standard	6,803.69	
		Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0159	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard.....	7,090.28	
		Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0160	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard.....	7,090.28	
		Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0161	EA	35' Type 26A-3-100 Signal And Lighting Standard	7,993.00	
		Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0162	EA	35' Type 26A-4-100 Signal And Lighting Standard	8,339.06	
		Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0163	EA	35' Type 29A-5-100 Signal And Lighting Standard	8,702.40	
		Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0164	EA	35' Type 61A-5-100 Signal And Lighting Standard	9,274.67	
		Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.		
34 41 13 00-0165	EA	15' Steel Straight Mast Arm, MONOTUBE	2,015.55	
34 41 13 00-0166	EA	20' Steel Straight Mast Arm, MONOTUBE	2,116.86	
34 41 13 00-0167	EA	25' Steel Straight Mast Arm, MONOTUBE	2,265.47	
34 41 13 00-0168	EA	30' Steel Straight Mast Arm, MONOTUBE	3,052.06	
34 41 13 00-0169	EA	35' Steel Straight Mast Arm, MONOTUBE	3,672.08	
34 41 13 00-0170	EA	40' Steel Straight Mast Arm, MONOTUBE	3,941.43	
34 41 13 00-0171	EA	45' Steel Straight Mast Arm, MONOTUBE	4,335.04	
34 41 13 00-0172	EA	50' Steel Straight Mast Arm, MONOTUBE	4,920.54	
34 41 13 00-0173	EA	55' Steel Straight Mast Arm, MONOTUBE	5,605.29	
34 41 13 00-0174	EA	60' Steel Straight Mast Arm, MONOTUBE	6,056.53	
34 41 13 00-0175	EA	65' Steel Straight Mast Arm, MONOTUBE	7,026.36	
34 41 13 00-0176	EA	4' Steel Curved Luminaire Mast Arm	691.04	
		<i>For High Rise Arm, Add</i>	57.06	
		<i>For High Rise Straight Arm, Add</i>	45.65	
34 41 13 00-0177	EA	6' Steel Curved Luminaire Mast Arm	898.02	
		<i>For High Rise Arm, Add</i>	76.29	
		<i>For High Rise Straight Arm, Add</i>	61.03	
34 41 13 00-0178	EA	8' Steel Curved Luminaire Mast Arm	1,123.55	
		<i>For High Rise Arm, Add</i>	95.51	
		<i>For High Rise Straight Arm, Add</i>	76.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0179 EA 10' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i>	1,543.59 112.29	
<i>For High Rise Straight Arm, Add</i>	89.83	
34 41 13 00-0180 EA 12' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i>	1,703.51 132.43	
<i>For High Rise Straight Arm, Add</i>	105.95	
34 41 13 00-0181 EA 15' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i>	1,779.57 147.69	
<i>For High Rise Straight Arm, Add</i>	118.15	
34 41 13 00-0182 EA 20' Steel Curved Luminaire Mast Arm <i>For High Rise Arm, Add</i>	2,021.25 176.37	
34 41 13 00-0183 EA 15' Tubular Aluminum Post.....	731.23	
34 41 13 00-0184 EA 17' Tubular Aluminum Post.....	779.29	
34 41 13 00-0185 EA 20' Tubular Aluminum Post.....	866.95	
34 41 13 00-0186 EA CUT-OFF POLE AND CAPPED.....	127.20	
34 41 13 00-0187 EA PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	38.05	
34 41 13 00-0188 EA PAINT EXISTING TS POST COMPLETE.....	180.28	
34 41 13 00-0189 EA 1 Channel Loop Detector Amp.....	1,095.24	
34 41 13 00-0190 EA 4 Channel Loop Detector Amp.....	2,066.68	
34 41 13 00-0191 EA FLASHING BEACON WITH DOWNLIGHT.....	1,564.49	
34 41 13 00-0192 EA Flashing Beacon, Bracket Mounted.....	538.73	
34 41 13 00-0193 EA Flashing Beacon, Mast Arm Mounted.....	538.73	
34 41 13 00-0194 EA Flashing Beacon, Solar Powered, Bracket Mounted.....	13,832.18	
34 41 13 00-0195 EA Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	2,089.28	
34 41 13 00-0196 EA Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	1,130.83	
34 41 13 00-0197 EA Smart Sensor HD (Wavetronix HD125).....	5,936.32	
34 41 13 00-0198 EA Access Point (Sensys AP240-ES)..... Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	2,755.26	
34 41 13 00-0199 EA Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	4,754.53	
34 41 13 00-0200 EA Mounting Kit for Access Points and Repeaters (KIT-MTG).....	178.21	
34 41 13 00-0201 EA Repeater (Sensys RP240-B-LL)..... Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	1,263.11	
34 41 13 00-0202 EA Wireless Flush Mounted Sensor (Sensys VSN240-F)..... Note: Excludes coring.	579.85	
34 41 13 00-0203 EA Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	1,458.54	
34 41 13 00-0204 LF Signal Cable, 2-Conductor, A.W.G. #16.....	1.16	0.53
34 41 13 00-0205 LF Signal Cable, 3-Conductor, A.W.G. #16.....	1.29	0.56
34 41 13 00-0206 LF Signal Cable, 4-Conductor, A.W.G. #16.....	1.41	0.60
34 41 13 00-0207 LF Signal Cable, 5-Conductor, A.W.G. #16.....	1.53	0.64
34 41 13 00-0208 LF Signal Cable, 6-Conductor, A.W.G. #16.....	1.66	0.68
34 41 13 00-0209 LF Signal Cable, 8-Conductor, A.W.G. #16.....	1.91	0.75
34 41 13 00-0210 LF Signal Cable, 12-Conductor, A.W.G. #16.....	2.57	0.98
34 41 13 00-0211 LF Signal Cable, 16-Conductor, A.W.G. #16.....	3.00	1.09
34 41 13 00-0212 LF Signal Cable, 20-Conductor, A.W.G. #16.....	3.49	1.20
34 41 13 00-0213 LF Signal Cable, 2-Conductor, A.W.G. #14.....	1.19	0.53
34 41 13 00-0214 LF Signal Cable, 3-Conductor, A.W.G. #14.....	1.34	0.56
34 41 13 00-0215 LF Signal Cable, 4-Conductor, A.W.G. #14.....	1.46	0.60
34 41 13 00-0216 LF Signal Cable, 5-Conductor, A.W.G. #14.....	1.59	0.64
34 41 13 00-0217 LF Signal Cable, 6-Conductor, A.W.G. #14.....	1.74	0.68
34 41 13 00-0218 LF Signal Cable, 8-Conductor, A.W.G. #14.....	2.01	0.75
34 41 13 00-0219 LF Signal Cable, 12-Conductor, A.W.G. #14.....	2.72	0.98
34 41 13 00-0220 LF Signal Cable, 16-Conductor, A.W.G. #14.....	3.20	1.09
34 41 13 00-0221 LF Signal Cable, 20-Conductor, A.W.G. #14.....	3.76	1.20
34 41 13 00-0222 EA Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	4,203.11	1.20
34 41 13 00-0223 EA Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	5,466.38	1.20
34 41 13 00-0224 EA Pole Base Foundation for Type 15 and 21 Poles.....	3,301.65	1.20
34 41 13 00-0225 EA Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	4,203.11	1.20
34 41 13 00-0226 EA Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	5,466.38	1.20
34 41 13 00-0227 EA Service Equipment Enclosure, Type III-AF.....	765.14	
34 41 13 00-0228 EA 12", 3 Section Signal, Mast Arm Mounted.....	1,031.88	
34 41 13 00-0229 EA 8", 3 Section Signal, Mast Arm Mounted.....	921.81	
34 41 13 00-0230 EA 12" FCV Visor.....	56.45	
34 41 13 00-0231 EA 8" FCV Visor.....	41.31	
34 41 13 00-0232 EA Eggcrate Visor.....	54.58	
34 41 13 00-0233 EA Pedestrian H/M.....	648.53	
34 41 13 00-0234 EA Pedestrian Audio.....	704.32	
34 41 13 00-0235 EA Adjustable Pushbutton.....	187.48	
34 41 13 00-0236 EA ADA Cap And Switch.....	229.16	
34 41 13 00-0237 EA 3 Section 12" Backplate.....	93.09	
34 41 13 00-0238 EA 3 Section 12" MAS Mount Backplate.....	137.39	
34 41 13 00-0239 EA 3 Section 8" Backplate.....	75.84	
34 41 13 00-0240 EA 12" Red LED Lenses.....	156.43	
34 41 13 00-0241 EA 12" Amber LED Lenses.....	166.85	
34 41 13 00-0242 EA 12" Green LED Lenses.....	281.16	
34 41 13 00-0243 EA 12" Red Arrow.....	155.59	
34 41 13 00-0244 EA 12" Amber Arrow.....	147.96	
34 41 13 00-0245 EA 12" Green Arrow.....	214.82	
34 41 13 00-0246 EA 8" Red.....	154.04	

34 Transportation**34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41	13 00-0247	EA	8" Amber.....	148.41	
34 41	13 00-0248	EA	8" Green.....	176.22	
34 41	13 00-0249	EA	Hand/Man.....	263.75	
34 41	13 00-0250	EA	Frameworks, 8" TV-1-T.....	322.07	
34 41	13 00-0251	EA	Frameworks, 8" TV-2-T.....	362.55	
34 41	13 00-0252	EA	Frameworks, MAT MT.....	98.34	
34 41	13 00-0253	EA	Frameworks, MAS MT.....	106.43	
34 41	13 00-0254	EA	Frameworks, 3W PT TC.....	211.23	
34 41	13 00-0255	EA	Frameworks, 2W PT TC.....	213.46	
34 41	13 00-0256	EA	Frameworks, 2W SM TC.....	202.66	
34 41	13 00-0257	EA	Frameworks, SV-1.....	136.04	
34 41	13 00-0258	EA	Frameworks, TV-1.....	131.99	
34 41	13 00-0259	EA	Type III Service Pedestal.....	2,445.06	
34 41	13 00-0260	EA	Single Fuse Holder.....	26.04	
34 41	13 00-0261	EA	Double Fuse Holder.....	60.03	
34 41	13 00-0262	EA	Pullbox, 1-1/2" x 20" x 14".....	60.48	
34 41	13 00-0263	EA	Pullbox, 5" x 28" x 18".....	80.60	
34 41	13 00-0264	EA	Pullbox, 6" x 36" x 23".....	104.40	
34 41	13 00-0265	EA	Pullbox Lids, FL9D.....	59.65	
34 41	13 00-0266	EA	Pullbox Lids, FL30D.....	109.14	
34 41	13 00-0267	EA	Pullbox Lids, FL36D.....	29.02	
34 41	13 00-0268	EA	LED Enhanced Pedestrian Crossing Symbol Sign.....	1,045.01	75.23
			Note: 2 required per system.		
34 41	13 00-0269	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System.....	3,070.70	451.40
			Note: 4 required per system.		
34 41	13 00-0270	EA	Power Control Unit With Enclosure (Solar).....	10,211.74	300.93
			Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41	13 00-0271	EA	Power Control Unit With Enclosure (A/C).....	6,598.67	300.93
34 41	13 00-0272	EA	Push Button Assembly With Sign.....	638.25	150.47
34 41	13 00-0273	EA	Advanced Warning Signs.....	1,192.95	150.47
34 41	13 00-0274	EA	14' High Galvanized Steel Traffic Signal Pole.....	2,443.86	
			Note: For mast arm.		
34 41	13 00-0275	EA	21' High Galvanized Steel Traffic Signal Pole.....	3,705.12	
			Note: For mast arm.		
34 41	13 00-0276	EA	22' High Galvanized Steel Traffic Signal Pole.....	3,847.52	
			Note: For mast arm and luminare arm.		
34 41	13 00-0277	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm.....	5,206.72	
			Note: For mast arm and luminare arm.		
34 41	13 00-0278	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	5,495.30	
			Note: For mast arm and luminare arm.		
34 41	13 00-0279	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm.....	4,312.11	
34 41	13 00-0280	EA	30' High Galvanized Steel Traffic Signal Pole, Octafute.....	3,848.43	
34 41	13 00-0281	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered.....	3,147.11	
34 41	13 00-0282	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA.....	13,318.79	
34 41	13 00-0283	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA.....	15,452.67	
34 41	13 00-0284		School Zone Flasher Beacons <small>(34 41 13)</small>		
34 41	13 00-0285	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,083.85	138.77
			Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41	13 00-0286	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,105.42	138.77
			Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41	13 00-0287	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,471.67	138.77
			Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41	13 00-0288	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	3,540.70	138.77
			Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41	13 00-0289	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,456.18	138.77
			Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41	13 00-0290	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,726.71	138.77
			Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41	13 00-0291		Traffic Light Control Synchronization <small>(34 41 13)</small>		
34 41	13 00-0292	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput.....	2,698.37	
34 41	13 00-0293	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R).....	2,031.50	
34 41	13 00-0294	EA	ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24).....	4,779.15	
34 41	13 00-0295	EA	5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT).....	3,212.10	
34 41	13 00-0296	EA	2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT).....	3,212.10	
34 41	13 00-0297	EA	Solar Cabinet Assembly.....	8,853.76	
34 41	13 00-0298	EA	Data Controller Interface Cable Assembly.....	363.40	
34 41	13 00-0299	EA	900 MHz Splitter.....	405.77	
34 41	13 00-0300	EA	900 MHz Surge Suppressor.....	144.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0301 EA Surge-Radio Lead in Cable.....	90.65	
34 41 13 00-0302 EA 12DB GAIN YAGI Antenna	431.47	
34 41 13 00-0303 EA PELCO Antenna Mounting Bracket	299.87	
34 41 13 00-0304 MLF Coaxial Cable, LMR-400.....	2,202.74	
34 41 13 00-0305 EA Perle 16 Port Serial Server	2,511.26	
34 41 13 00-0306 EA Serial to Ethernet Card	1,254.35	
34 41 13 00-0307 EA 404 Stand Alone Modem (GDI 404).....	1,112.18	
34 41 13 00-0308 Traffic Signal Controls (34 41 13)		
34 41 13 00-0309 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,005.08	
34 41 13 00-0310 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2).....	391.26	
34 41 13 00-0311 EA AccessBox for contract closure master card (CC-ACC)	139.74	
34 41 13 00-0312 EA Flush Mount Wireless Sensor (ATT VSN240-F)	541.31	
34 41 13 00-0313 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F).....	541.31	
34 41 13 00-0314 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	84.08	
34 41 13 00-0315 EA SNAPS License for each enabled AP (SNAPS-PER-AP)	226.43	
34 41 16 Traffic Control Equipment (34 41)		
34 41 16 00-0001 EA CONTROLLER/SL/POLE MTD/1-PHASE/100A	6,824.54	
34 41 16 00-0002 EA CONTROLLER/SL/ON EMB POLE 1-PH/100A	6,898.38	
34 41 16 00-0003 EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	8,414.43	
34 41 16 00-0004 EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	10,001.89	
34 41 16 00-0005 EA CONTROLLER/SL/BASE MTD/1-PHASE/100A	8,236.57	
34 41 16 00-0006 EA CONTROLLER/SL/BASE MTD/1-PHASE/200A	9,132.25	
34 41 16 00-0007 EA CONTROLLER, TS, 12-BAY, "M" CABINET	15,043.87	
34 41 16 00-0008 EA CONTROLLER, TS, 12-BAY, "P" CABINET	16,010.59	
34 41 16 00-0009 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	22,918.51	
34 41 16 00-0010 EA CONTROLLER, TS, 16-BAY, "P" CABINET	18,146.89	
34 41 16 00-0011 EA CONTROLLER, TS, POST-MTD, TEMP	2,913.35	
34 41 16 00-0012 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	531.60	
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL	545.94	
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION	228.72	
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME	411.73	
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER	7,634.53	
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER	18,471.14	
34 41 16 00-0018 EA F.O. STAR MODEM	6,035.24	
34 70 Transportation Construction And Equipment (34)		
34 71 Roadway Construction (34 70)		
34 71 13 Vehicle Barriers (34 71)		
34 71 13 13 Vehicle Median Barriers (34 71 13)		
34 71 13 13-0001 Concrete Median Barrier (34 71 13 13)		
34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	49.36	3.07
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	52.43	3.07
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	56.83	3.07
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	34.02	4.42
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	28.65	2.49
34 71 13 16 Vehicle Crash Barriers (34 71 13)		
34 71 13 16-0001 Impact Barrier, Non-Redirective (34 71 13 16)		
34 71 13 16-0002 Sand Barrel Impact Attenuator (34 71 13 16-0001)		
Note: Includes containers, inserts, and lid. Excludes sand.		
34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	475.36	39.34
Note: Includes containers, inserts, and lid.		
34 71 13 16-0004 EA 1400 LB Sand Barrel	445.30	46.17
Note: Includes containers, inserts, and lid.		
34 71 13 16-0005 EA 2100 LB Sand Barrel	481.21	53.01
Note: Includes containers, inserts, and lid.		
34 71 13 16-0006 Sand For Sand Barrel Impact Attenuator (34 71 13 16-0001)		
34 71 13 16-0007 LB Sand for Sand Barrels	0.08	
34 71 13 26 Vehicle Guide Rails (34 71 13)		
34 71 13 26-0001 Corrugated Beam Guide Rail (34 71 13 26)		
34 71 13 26-0002 Corrugated Beam Guide Railing (34 71 13 26-0001)		
34 71 13 26-0003 Corrugated Beam Guide Railing. Straight Sections (34 71 13 26-0002)		
Note: Add additional length for back-up sections.		

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0004 LF Corrugated Beam Guide Railing	6.73	1.78
34 71 13 26-0005 LF Corrugated Beam Guide Railing (Rustic).....	6.38	1.78
34 71 13 26-0006 Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0002) Note: Add additional length for back-up sections.		
34 71 13 26-0007 LF Shop Curved Corrugated Beam Guide Railing	8.26	1.78
34 71 13 26-0008 LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	7.95	1.78
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing End.....	18.54	1.78
Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	17.50	1.78
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0011 Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0001)		
34 71 13 26-0012 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	60.57	23.46
34 71 13 26-0013 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	62.65	23.46
34 71 13 26-0014 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section	73.09	23.46
34 71 13 26-0015 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	75.17	23.46
34 71 13 26-0016 EA Corrugated Beam Guide Railing 225 Degree End Section	73.09	23.46
34 71 13 26-0017 EA Corrugated Rustic Beam Guide Railing 225 Degree End Section	75.17	23.46
34 71 13 26-0018 Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0001) Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0019 EA Regent Flared End Terminal Head With Bracket, Type B & C.....	1,391.48	143.80
34 71 13 26-0020 EA Fleet Flared End Terminal Head With Bracket.....	1,182.83	143.80
34 71 13 26-0021 EA SKT 350 Tangent End Terminal Head With Bracket.....	1,391.48	143.80
34 71 13 26-0022 EA 12'-6" Corrugated Beam Pre-drilled #1 Panel.....	246.88	67.79
34 71 13 26-0023 EA Terminal Support System, Type SFT	622.16	181.26
34 71 13 26-0024 EA Terminal Support System, Type ET.....	2,811.62	513.02
34 71 13 26-0025 EA Terminal Support System, Type SRT	3,021.89	513.02
34 71 13 26-0026 Corrugated Beam Guide Rail Posts (34 71 13 26-0001) Note: Includes mounting hardware.		
34 71 13 26-0027 EA Standard Post For Corrugated Beam Guide Rail.....	47.95	10.93
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.91	
34 71 13 26-0028 EA Standard Post For (Rustic) Corrugated Beam Guide Rail.....	50.04	10.93
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.91	
34 71 13 26-0029 EA Extra Long Post for Corrugated Beam Guide Rail	52.13	10.93
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.91	
34 71 13 26-0030 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail	54.21	10.93
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.91	
34 71 13 26-0031 EA 6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	47.95	10.93
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	2.91	
34 71 13 26-0032 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	64.65	10.93
For Installation In Rock, Add	2.91	
34 71 13 26-0033 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0001) Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0034 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	47.95	10.93
34 71 13 26-0035 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	50.04	10.93
34 71 13 26-0036 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	52.13	10.93
34 71 13 26-0037 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	54.21	10.93
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0038 EA Type A Post 1630mm Post	46.91	10.93
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0039 EA Type A Post 1630mm Post (Rustic).....	49.00	10.93
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0040 EA Type B Post 1460mm	44.82	10.93
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041 EA Type B Post 1460mm (Rustic).....	46.91	10.93
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042 EA Type C Post 1290mm	42.74	10.93
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043 EA Type C Post 1290mm (Rustic).....	44.82	10.93
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044 EA Breakaway Wood Or Steel Post In Steel Foundation Tube	152.61	10.93
34 71 13 26-0045 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	25.00	10.93
Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0046 Corrugated Beam Guide Rail Accessories (34 71 13 26-0001)		
34 71 13 26-0047 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	56.39	26.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0048 Corrugated Beam Guide Rail Repair for Existing Guide Rail <small>(34 71 13 26-0001)</small>		
<i>Note: Includes associated hardware.</i>		
34 71 13 26-0049 LF Remove And Store Corrugated Beam Guide Railing And Post	10.41	
34 71 13 26-0050 EA Install Stored Post For Corrugated Beam Guide Rail	35.53	
34 71 13 26-0051 LF Install Stored Corrugated Beam Guide Railing And Post.....	6.04	
34 71 13 26-0052 Corrugated Thrie Beam Guide Railing <small>(34 71 13 26-0001)</small>		
34 71 13 26-0053 Corrugated Thrie Beam Guide Railing. Straight Sections <small>(34 71 13 26-0052)</small>		
<i>Note: Add additional length for back-up sections.</i>		
34 71 13 26-0054 LF Corrugated Thrie Beam Guide Railing.....	13.64	2.24
34 71 13 26-0055 LF Corrugated Thrie Beam Guide Railing (Rustic).....	14.28	2.24
34 71 13 26-0056 Corrugated Thrie Beam Guide Railing. Shop Curved <small>(34 71 13 26-0052)</small>		
<i>Note: Add additional length for back-up sections.</i>		
34 71 13 26-0057 LF Shop Curved Corrugated Thrie Beam Guide Railing.....	16.19	2.24
34 71 13 26-0058 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	16.82	2.24
34 71 13 26-0059 Corrugated Thrie Beam Guide Rail Posts <small>(34 71 13 26-0052)</small>		
<i>Note: Includes hardware for mounting.</i>		
34 71 13 26-0060 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	48.89	2.24
<i>For Installation Without Soil Plate, Deduct</i>		-5.00
<i>For 32" Soil Plate, Add</i>		7.00
34 71 13 26-0061 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	50.98	2.24
<i>For Installation Without Soil Plate, Deduct</i>		-5.00
<i>For 32" Soil Plate, Add</i>		7.00
34 71 13 26-0062 Timber Guide Rails <small>(34 71 13 26)</small>		
<i>Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.</i>		
34 71 13 26-0063 Timber Guide Rail Posts <small>(34 71 13 26-0062)</small>		
34 71 13 26-0064 EA 6" x 8" Timber Guide Rail Post	63.15	8.89
34 71 13 26-0065 EA 6" x 9" Timber Guide Rail Post	71.36	8.89
34 71 13 26-0066 EA 10" x 10" Timber Guide Rail Post	135.72	8.89
34 71 13 26-0067 EA 10" x 12" Timber Guide Rail Post	143.39	8.89
34 71 13 26-0068 EA 12" x 12" Timber Guide Rail Post	165.27	8.89
34 71 13 26-0069 Timber Guide Rails <small>(34 71 13 26-0062)</small>		
<i>Note: Excludes posts, spacer blocks and steel backup plates.</i>		
34 71 13 26-0070 LF 4" x 9" Timber Guide Rail.....	7.82	1.07
34 71 13 26-0071 LF 6" x 10" Timber Guide Rail.....	10.77	1.07
34 71 13 26-0072 LF 6" x 12" Timber Guide Rail.....	12.51	1.07
34 71 13 26-0073 Spacer Blocks For Timber Guide Rails <small>(34 71 13 26-0062)</small>		
34 71 13 26-0074 EA 4" x 9" Spacer Block For Timber Guide Rails	10.19	1.42
34 71 13 26-0075 EA 6" x 8" Spacer Block For Timber Guide Rails	11.61	1.42
34 71 13 26-0076 EA 8" x 8" Spacer Block For Timber Guide Rails	13.42	1.42
34 71 13 26-0077 Weathering Steel Backup Plates For Timber Guide Rails <small>(34 71 13 26-0062)</small>		
34 71 13 26-0078 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	13.62	0.89
34 71 13 26-0079 Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0062)</small>		
34 71 13 26-0080 EA Weathering Steel Splice Plate For Timber Guide Rails	98.03	12.44
34 71 13 26-0081 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails.....	62.06	8.89
34 71 13 26-0082 Cable Guide Rail <small>(34 71 13 26)</small>		
34 71 13 26-0083 Cable Guide Rail <small>(34 71 13 26-0082)</small>		
34 71 13 26-0084 LF Cable (Each Cable)	4.34	1.92
<i>Note: Includes tensioning. Excludes splices.</i>		
34 71 13 26-0085 EA Cable Splice With Wedges	80.37	13.33
34 71 13 26-0086 Cable Guide Rail Posts <small>(34 71 13 26-0082)</small>		
<i>Note: Includes hardware for cable mounting.</i>		
34 71 13 26-0087 EA Standard Post for Cable Guide Rail.....	79.87	36.42
<i>For Installation Without Soil Plate, Deduct</i>		-5.00
<i>For Installation In Rock, Add</i>		9.71
34 71 13 26-0088 EA Standard Post (Rustic) for Cable Guide Rail.....	81.95	36.42
<i>For Installation Without Soil Plate, Deduct</i>		-5.00
<i>For Installation In Rock, Add</i>		9.71

34	Transportation
34 70	Transportation Construction And Equipment
34 71	Roadway Construction



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0089 EA Extra Long Post for Cable Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	81.95 -5.00 9.71	36.42
34 71 13 26-0090 EA Extra Long Post (Rustic) for Cable Guide Rail <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	84.04 -5.00 9.71	36.42
34 71 13 26-0091 EA Slip Impact Post Top for Anchor Unit.....	44.47	14.57
34 71 13 26-0092 EA Slip Impact Post Base and Keeper Plate Note: For anchor unit.	96.63	14.57
34 71 13 26-0093 Cable Guide Rail Accessories For Breakaway Anchor Angle Systems (34 71 13 26-0093)		
34 71 13 26-0094 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors	308.32	178.04
34 71 13 26-0095 EA Turnbuckle Cable End Assembly	53.59	8.90
34 71 13 26-0096 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	151.96	4.43
34 71 13 26-0097 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle	156.13	4.43
34 71 13 26-0098 EA Breakaway Anchor Angle.....	66.11	8.90
34 71 13 26-0099 EA Standard End Post Cap Assembly.....	30.94	4.43
34 71 13 26-0100 EA Driveway End Post Cap Assembly.....	26.76	4.43
34 71 13 26-0101 EA End Post Ground Support Plates.....	16.33	4.43
34 71 13 26-0102 EA 11" Stud Bolt, Cable Guide Rail	14.77	4.43
34 71 13 26-0103 EA 18" Stud Bolt, Cable Guide Rail.....	16.85	4.43
34 71 13 26-0104 EA 25" Stud Bolt, Cable Guide Rail	18.94	4.43
34 71 13 26-0105 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail	137.05	8.90
34 71 13 26-0106 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail	145.40	8.90
34 71 13 26-0107 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail.....	99.49	8.90
34 71 13 26-0108 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail.....	60.15	4.43
34 71 13 26-0109 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail.....	66.11	8.90
34 71 13 26-0110 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail.....	74.11	13.33
34 71 13 26-0111 Cable Guide Rail Accessories For Slip Impact Post Systems (34 71 13 26-0082)		
34 71 13 26-0112 EA Turnbuckle Cable End Assembly Note: For use with slip impact post.	114.29	12.16
34 71 13 26-0113 EA Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	214.44	12.16
34 71 13 26-0114 EA Anchor Angle For Slip Impact Post System	70.47	12.16
34 71 13 26-0115 EA Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	60.04	12.16
34 71 13 26-0116 Cable Guide Rail Repair For Existing Guide Rail (34 71 13 26-0082)		
Note: All tasks include associated hardware.		
34 71 13 26-0117 LF Retention Existing Cable (Each Cable).....	1.19	
34 71 13 26-0118 LF Remove and Store Cable Guide Railing	7.15	
34 71 13 26-0119 EA Install Stored Post For Cable Guide Railing.....	48.57	
34 71 13 26-0120 LF Install Stored Cable, (Each Cable)..... Note: Includes retensioning. Excludes splices.	3.16	
34 71 13 26-0121 6" x 6" Box Beam Guide Rail (34 71 13 26)		
34 71 13 26-0122 Box Beam Guide Rail, 6" x 6" (34 71 13 26-0121)		
34 71 13 26-0123 Straight Sections, Box Beam Guide Rail (34 71 13 26-0122)		
34 71 13 26-0124 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. <i>For Flush Mounting Directly To Structure, Add</i>	16.03 1.83	2.24
34 71 13 26-0125 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices. <i>For Flush Mounting Directly To Structure, Add</i>	17.94 1.83	2.24
34 71 13 26-0126 Shop Curved, Box Beam Guide Rail (34 71 13 26-0122)		
34 71 13 26-0127 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	23.34 2.44 1.83	2.24
34 71 13 26-0128 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices. <i>For Shop Curved At <20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	25.25 2.44 1.83	2.24
34 71 13 26-0129 Box Beam Guide Rail End Treatment Sections (34 71 13 26-0121)		
Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0130 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	244.18	26.65
34 71 13 26-0131 EA Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	267.13	26.65
34 71 13 26-0132 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	231.66	26.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0133 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	240.01	26.65
34 71 13 26-0134 Splices For Box Beam Guide Rail (34 71 13 26-0121)		
34 71 13 26-0135 EA Splice For Box Beam Guide Rail	110.43	39.56
34 71 13 26-0136 EA Splice For Box Beam Guide Rail (Rustic).....	125.03	39.56
34 71 13 26-0137 Box Beam Guide Rail Posts (34 71 13 26-0121) Note: Includes hardware for box beam mounting.		
34 71 13 26-0138 EA Standard Post For Box Beam Guide Rail	81.95	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0139 EA Standard Post (Rustic) for Box Beam Guide Railing.....	84.04	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0140 EA Extra Long Post For Box Beam Guide Rail.....	86.13	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0141 EA Extra Long Post (Rustic) For Box Beam Guide Rail	88.21	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0142 EA Type I End Assembly Post.....	79.87	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0143 EA Type I End Assembly Post (Rustic)	81.95	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0144 EA Type II End Assembly Post.....	77.78	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0145 EA Type II End Assembly Post (Rustic)	79.87	36.42
<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
<i>For Installation In Rock, Add</i>	9.71	
34 71 13 26-0146 Box Beam Guide Rail Accessories (34 71 13 26-0121)		
34 71 13 26-0147 EA Box Beam Guide Rail End Cover Plate	35.70	8.00
34 71 13 26-0148 EA Box Beam Guide Rail End Cover Plate (Rustic)	37.78	8.00
34 71 13 26-0149 Box Beam Guide Railing Repair, And Resetting (34 71 13 26-0121) Note: For existing guide rail.		
34 71 13 26-0150 LF Remove And Store Box Beam Guide Rail And Post.....	3.51	
34 71 13 26-0151 LF Reset Box Beam Guide Rail	10.25	
34 71 13 26-0152 6" x 8" Box Beam Median Barrier (34 71 13 26)		
34 71 13 26-0153 Box Beam Median Barrier, 6" x 8" (34 71 13 26-0152)		
34 71 13 26-0154 Straight Sections, Box Beam Median Barrier (34 71 13 26-0153)		
34 71 13 26-0155 LF Box Beam Median Barrier Galvanized Excludes Splices.....	30.69	8.00
<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0156 LF Box Beam Median Barrier (Rustic) Excludes Splices	32.60	8.00
<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0157 Shop Curved, Box Beam Median Barrier (34 71 13 26-0153)		
34 71 13 26-0158 LF Shop Curved Box Beam Median Barrier Galvanized.....	35.71	8.00
Note: Excludes splices.		
<i>For Shop Curved At <20' Radius, Add</i>	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0159 LF Shop Curved Box Beam Median Barrier Rustic	41.97	8.00
Note: Excludes splices.		
<i>For Shop Curved At <20' Radius, Add</i>	2.44	
<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0160 Box Beam Median Barrier End Treatment Sections (34 71 13 26-0152) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0161 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized.....	742.85	26.65
Note: Excludes splices and post.		
34 71 13 26-0162 EA Box Beam Median Barrier Type A End Treatment Section (Rustic).....	759.55	26.65
Note: Excludes splices and post.		
34 71 13 26-0163 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized.....	742.85	26.65
Note: Excludes splices and post.		
34 71 13 26-0164 EA Box Beam Median Barrier Type B End Treatment Section (Rustic).....	759.55	26.65
Note: Excludes splices and post.		
34 71 13 26-0165 Splices For Box Beam Median Barrier (34 71 13 26-0152)		

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0166 EA Splice for Box Beam Median Barrier.....	74.33	21.32
34 71 13 26-0167 EA Splice for Box Beam Median Barrier (Rustic).....	105.63	21.32
34 71 13 26-0168 Box Beam Median Barrier Posts Driven With Soil Plate (34 71 13 26-0152) Note: Includes all associated hardware.		
34 71 13 26-0169 EA Standard Post for Box Beam Median Barrier.....	81.95	36.42
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0170 EA Standard Post (Rustic) for Box Beam Median Barrier.....	84.04	36.42
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0171 EA Extra Long Post for Box Beam Median Barrier.....	86.13	36.42
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0172 EA Extra Long Post (Rustic) for Box Beam Median Barrier.....	88.21	36.42
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0173 EA Type B End Treatment or Rub Back Anchor Post for Box Beam.....	77.78	36.42
Note: For median barrier.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0174 EA Type B End Treatment or Rub Back Anchor Post (Rustic).....	77.78	36.42
Note: For box beam median barrier.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0175 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete.....	86.13	36.42
Note: For median barrier transition.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0176 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier.....	88.21	36.42
Note: For Concrete median barrier transition.		
For Installation Without Soil Plate, Deduct	-5.00	
For Installation In Rock, Add	9.71	
34 71 13 26-0177 Box Beam Median Barrier Accessories (34 71 13 26-0152)		
34 71 13 26-0178 EA Box Beam Median Barrier End Cover Plate.....	54.51	18.76
34 71 13 26-0179 EA Box Beam Median Barrier End Cover Plate (Rustic).....	56.60	18.76
34 71 13 26-0180 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0152) Note: For existing guide rail.		
34 71 13 26-0181 LF Remove and Store Box Beam Median Barrier and Posts.....	3.63	
34 71 13 26-0182 LF Reset Box Beam Median Barrier.....	10.73	
34 71 13 26-0183 Universal Guide Rail Items (34 71 13 26)		
34 71 13 26-0184 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0183) Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0185 CY Guide Rail Concrete Anchor Unit.....	562.30	
For Each Additional Set Of Anchor Rods, Add	38.00	
34 71 13 26-0186 EA Reset Existing Anchorage Unit for All Types of Guide Rail.....	407.55	
Note: Includes excavation and backfill.		
34 71 13 26-0187 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0183) Note: All tasks include associated hardware.		
34 71 13 26-0188 EA Straighten And Reset Driven Post For Guide Rail.....	48.57	
34 71 13 26-0189 EA Straighten And Reset Post Mounted On Concrete For Guide Rail.....	51.57	
Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0190 Additional Wood and Steel Posts (34 71 13 26-0183)		
34 71 13 26-0191 LF 4" x 6" Wood Post.....	26.13	12.17
For Installation In Rock, Add	3.24	
34 71 13 26-0192 LF 6" x 8" Wood Post.....	29.26	12.17
For Installation In Rock, Add	3.24	
34 71 13 26-0193 LF 6" x 7/8" Steel Post Galvanized.....	22.13	12.17
For Installation In Rock, Add	3.24	
34 71 13 26-0194 EA Base Plate With Anchor Bolts For Mounting Post On Concrete.....	157.75	12.16
34 71 13 26-0195 Accessories For All Types of Guide Rail (34 71 13 26-0183)		
34 71 13 26-0196 EA Reflector, Guard Rail.....	15.51	
34 71 13 26-0197 Resilient Guard Fence And Light Shield (34 71 13 26)		
34 71 13 26-0198 LF Resilient Guard Fence And Light Shield, Up To 6' High.....	51.76	5.47



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199 Individual Concrete Posts <small>(34 71 13 26)</small>		
34 71 13 26-0200 EA 6'-5" Concrete Posts, Round.....	66.20	5.47
34 71 13 26-0201 EA 6'-5" Concrete Posts, Square.....	74.06	6.16
34 71 13 26-0202 EA 6'-5" Concrete Posts, Triangular.....	72.14	6.16
34 71 13 26-0203 Guide Rail Transitions <small>(34 71 13 26)</small>		
34 71 13 26-0204 Transition Box Beam Guide Rail To Corrugated Beam <small>(34 71 13 26-0203)</small>		
34 71 13 26-0205 EA Box Beam To Corrugated Beam Rail Bolted Section.....	362.57	
34 71 13 26-0206 EA Box Beam To Corrugated Beam Rail Bolted Plate	279.11	
Note: For making cable connections.		
34 71 13 26-0207 Transition Box Beam Median Barrier To Corrugated Beam Median <small>(34 71 13 26-0203)</small>		
34 71 13 26-0208 EA Box Beam Median Barrier To Corrugated Beam Bolted Section	366.74	
34 71 13 26-0209 EA Box Beam Median Barrier To Corrugated Beam Harness Plate	279.11	
Note: For making cable connections.		
34 71 13 26-0210 Transition Box Beam Guide Rail To Cable Guide Rail <small>(34 71 13 26-0203)</small>		
34 71 13 26-0211 EA Box Beam to Cable Guide Rail U-bolt And Plate	44.60	14.21
34 71 13 26-0212 Transition Box Beam Median Barrier To Concrete Median Barrier <small>(34 71 13 26-0203)</small>		
34 71 13 26-0213 EA Box Beam Median Barrier To Concrete Barrier End Connection.....	446.03	
34 71 13 26-0214 Transition Thrie Beam To Concrete Median Barrier <small>(34 71 13 26-0203)</small>		
34 71 13 26-0215 EA Thrie Beam Terminal Connector At Concrete Median Barrier.....	341.70	
34 71 13 26-0216 EA Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	393.87	
34 71 13 26-0217 Transition Railing (Monterey County) <small>(34 71 13 26)</small>		
Note: Complete with rail, posts, transition and bolts.		
34 71 13 26-0218 EA Transition Railing, Type WB-31 (Monterey County).....	2,759.78	1.78
34 71 16 Impact Attenuating Devices <small>(34 71)</small>		
34 71 16 00-0001 Guard Rail Energy Absorbing Terminals <small>(34 71 16)</small>		
Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002 24" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003 EA 24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	17,138.51	2,584.60
34 71 16 00-0004 EA 24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	23,484.54	3,446.13
34 71 16 00-0005 EA 24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	31,651.85	4,523.06
34 71 16 00-0006 EA 24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	36,449.31	5,599.97
34 71 16 00-0007 30" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008 EA 30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	18,730.57	2,907.68
34 71 16 00-0009 EA 30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	25,707.76	3,876.90
34 71 16 00-0010 EA 30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	34,946.40	5,169.20
34 71 16 00-0011 EA 30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	40,744.66	6,246.12
34 71 16 00-0012 36" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013 EA 36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	20,332.85	3,230.75
34 71 16 00-0014 EA 36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	27,940.67	4,307.67
34 71 16 00-0015 EA 36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	37,801.16	5,707.66
34 71 16 00-0016 EA 36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	45,029.08	6,892.27
34 71 16 00-0017 69" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018 EA 69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	22,140.55	3,553.83
34 71 16 00-0019 EA 69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	30,253.55	4,738.44
34 71 16 00-0020 EA 69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	40,974.66	6,246.12
34 71 16 00-0021 EA 69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	48,652.55	7,538.42
34 71 16 00-0022 90" Wide Guard Rail Energy Absorbing Terminals <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023 EA 90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	23,977.76	3,876.90
34 71 16 00-0024 EA 90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	32,601.40	5,169.20
34 71 16 00-0025 EA 90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	44,649.08	6,892.27
34 71 16 00-0026 EA 90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	52,339.27	8,184.57

34 Transportation**34 70 Transportation Construction And Equipment****34 71 Roadway Construction**MINOR
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION
UNIT COST UNIT COST**34 71 19 Vehicle Delineators (34 71)****34 71 19 16 Flexible Vehicle Delineators (34 71 19)**

34 71 19 16-0001	EA	3' High, 3" Diameter Flexible Fixed Stanchion, Folding Barrier With Individual Padlocks	111.62	13.68
34 71 19 16-0002	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	41.99	6.84

34 80 Bridges (34)**34 82 Bridge Specialties (34 80)****34 82 23 Bridge Railing (34 82)****34 82 23 00-0001 Metal Bridge Railing (34 82 23)**

Note: Includes hardware for bridge rail mounting.

34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing	31.48	2.96
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing	53.58	4.61
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing	69.10	6.75
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing	91.88	8.51
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing	73.62	6.56

34 82 23 00-0007 Bridge Post (34 82 23)

Note: Includes hardware for bridge post mounting.

34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post	123.97	37.81
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post	151.53	40.18
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly	340.60	70.90
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly	413.77	75.62
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly	380.14	75.62
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly	451.73	75.62
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly	353.89	75.62
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly	472.34	77.99
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly	463.48	77.99
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly	564.14	77.99
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post	392.08	80.35
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post	392.17	80.35
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly	572.08	80.35
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly	586.69	80.35
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly	434.45	85.07

34 82 23 00-0023 Bridge Railing Splices (34 82 23)

Note: Includes hardware for splices.

34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice	173.47	18.26
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice	105.07	15.98
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice	65.24	11.42
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice	34.12	8.22
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube	133.11	17.66
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar	141.33	17.66
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube	122.30	17.66
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar	125.27	17.66
34 82 23 00-0032	EA	6" x 6" x 3/16" Box x 9' Flare Tube	179.74	23.85

34 82 23 00-0033 Transition For Bridge Railing (34 82 23)

Note: Includes hardware for transition for bridge railing.

34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices	731.15	94.52
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices	777.53	99.25
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices	901.75	103.97
34 82 23 00-0037	EA	6" x 6" x 16'-1/2' Bottom Transition Tube	311.95	47.26
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube	381.93	51.99
34 82 23 00-0039	EA	8" x 6" x 16'-1/2' Bottom Transition Tube	360.32	47.26
34 82 23 00-0040	EA	6" x 6" x 16'-1/2' Top Transition Tube	319.22	47.26
34 82 23 00-0041	EA	6" x 6" x 21'-1/2' Top Transition Tube	375.93	51.99
34 82 23 00-0042	EA	8" x 6" x 16'-1/2' Top Transition Tube	369.34	47.26
34 82 23 00-0043	EA	6" x 6" x 16'-1/2' Middle Transition Tube	301.98	47.26
34 82 23 00-0044	EA	8" x 6" x 16'-1/2' Middle Transition Tube	364.83	47.26

34 82 23 00-0045 Anchor Plates And End Caps For Bridge Railing (34 82 23)

34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate	32.85	4.57
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate	196.03	22.83
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap	26.01	2.29
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap	16.67	2.29
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap	16.56	2.29

34 82 26 Bridge Slope Protection (34 82)**34 82 26 00-0001 Bridge Slope Protection (34 82 26)**

Note: Solid concrete masonry unit installed in sand bedding.



Transportation	34	34
Bridges	34 80	
Bridge Specialties	34 82	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 26 00-0002 SF 8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection.....	9.81	3.97
34 82 26 00-0003 SF 8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection.....	11.53	4.37
34 82 26 00-0004 SF 8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection.....	12.66	4.65

END OF SECTION 34

34 Transportation

34 80 Bridges

34 82 Bridge Specialties



MINOR			
CSI	UOM	DESCRIPTION	

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 Process Interconnections

40 05 Common Work Results For Process Interconnections ⁽⁴⁰⁾

40 05 23 Stainless Steel Process Pipe and Tubing ^(40 05)

40 05 23 43 Stainless Steel Process Pipe ^(40 05 23)

40 05 23 43-0001	Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly ^(40 05 23)		
	⁴³ Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 43-0002	LF 1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	22.97	6.66
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	2.49	
	<i>For Work In Restricted Working Space, Add</i>	4.02	
40 05 23 43-0003	LF 3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	25.95	7.64
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	2.61	
	<i>For Work In Restricted Working Space, Add</i>	4.77	
40 05 23 43-0004	LF 1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	30.22	8.62
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	3.06	
	<i>For Work In Restricted Working Space, Add</i>	5.54	
40 05 23 43-0005	LF 1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	34.71	10.41
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	3.86	
	<i>For Work In Restricted Working Space, Add</i>	5.96	
40 05 23 43-0006	LF 1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	38.31	10.70
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	4.42	
	<i>For Work In Restricted Working Space, Add</i>	6.39	
40 05 23 43-0007	LF 2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	46.41	14.14
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	5.39	
	<i>For Work In Restricted Working Space, Add</i>	7.70	
40 05 23 43-0008	LF 2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	67.46	17.44
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	9.27	
	<i>For Work In Restricted Working Space, Add</i>	9.54	
40 05 23 43-0009	LF 3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	85.33	20.21
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Type 316, Add</i>	12.07	
	<i>For Work In Restricted Working Space, Add</i>	11.67	
40 05 23 43-0010	LF 4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly	116.24	20.21
	Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	14.81	

40 05 23 43-0011 Stainless Steel Tubing And Fittings ^(40 05 23 43)

40 05 23 43-0012 Type 304 Tubing ^(40 05 23 43-0011)

40 05 23 43-0013 0.035" Wall ^(40 05 23 43-0012)

40 05 23 43-0014	LF 1/4" Stainless Steel Tubing, Type 304, 0.035" Wall	5.33	2.20
	<i>For Work In Restricted Working Space, Add</i>	1.31	
40 05 23 43-0015	LF 3/8" Stainless Steel Tubing, Type 304, 0.035" Wall	6.25	2.60
	<i>For Work In Restricted Working Space, Add</i>	1.57	
40 05 23 43-0016	LF 1/2" Stainless Steel Tubing, Type 304, 0.035" Wall	7.41	3.09
	<i>For Work In Restricted Working Space, Add</i>	1.83	
40 05 23 43-0017	LF 5/8" Stainless Steel Tubing, Type 304, 0.035" Wall	10.94	3.49
	<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0018	LF 3/4" Stainless Steel Tubing, Type 304, 0.035" Wall	12.81	3.91
	<i>For Work In Restricted Working Space, Add</i>	2.36	
40 05 23 43-0019	LF 7/8" Stainless Steel Tubing, Type 304, 0.035" Wall	14.19	4.39
	<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0020	LF 1" Stainless Steel Tubing, Type 304, 0.035" Wall	16.13	5.29
	<i>For Work In Restricted Working Space, Add</i>	3.15	

40 05 23 43-0021 0.049" Wall ^(40 05 23 43-0012)

40 05 23 43-0022	LF 1/4" Stainless Steel Tubing, Type 304, 0.049" Wall	8.11	2.60
	<i>For Work In Restricted Working Space, Add</i>	1.57	
40 05 23 43-0023	LF 3/8" Stainless Steel Tubing, Type 304, 0.049" Wall	9.14	3.09
	<i>For Work In Restricted Working Space, Add</i>	1.83	
40 05 23 43-0024	LF 1/2" Stainless Steel Tubing, Type 304, 0.049" Wall	10.85	3.49
	<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0025	LF 5/8" Stainless Steel Tubing, Type 304, 0.049" Wall	13.69	4.39
	<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0026	LF 3/4" Stainless Steel Tubing, Type 304, 0.049" Wall	15.85	5.29
	<i>For Work In Restricted Working Space, Add</i>	3.15	
40 05 23 43-0027	LF 7/8" Stainless Steel Tubing, Type 304, 0.049" Wall	17.98	6.10
	<i>For Work In Restricted Working Space, Add</i>	3.67	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0028 LF 1" Stainless Steel Tubing, Type 304, 0.049" Wall..... <i>For Work In Restricted Working Space, Add</i>	20.67 4.17	6.91
40 05 23 43-0029 0.065" Wall <small>(40 05 23 43-0012)</small>		
40 05 23 43-0030 LF 1/4" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	9.46 1.83	3.09
40 05 23 43-0031 LF 3/8" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	10.87 2.09	3.49
40 05 23 43-0032 LF 1/2" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	13.45 2.62	4.39
40 05 23 43-0033 LF 5/8" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	15.89 3.15	5.29
40 05 23 43-0034 LF 3/4" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	18.69 3.67	6.10
40 05 23 43-0035 LF 7/8" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	21.42 4.17	6.91
40 05 23 43-0036 LF 1" Stainless Steel Tubing, Type 304, 0.065" Wall..... <i>For Work In Restricted Working Space, Add</i>	24.14 4.69	7.81
40 05 23 43-0037 Type 304 Tube Fittings <small>(40 05 23 43-0011)</small>		
40 05 23 43-0038 90 Degree Elbows <small>(40 05 23 43-0037)</small>		
40 05 23 43-0039 EA 1/4" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	29.71 5.24	8.78
40 05 23 43-0040 EA 3/8" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	34.55 5.74	9.60
40 05 23 43-0041 EA 1/2" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	49.32 6.50	10.82
40 05 23 43-0042 EA 5/8" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	53.11 7.28	12.12
40 05 23 43-0043 EA 3/4" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	59.06 7.87	13.09
40 05 23 43-0044 EA 7/8" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	78.08 8.72	14.55
40 05 23 43-0045 EA 1" 90 Degree Elbow, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	98.53 10.38	17.32
40 05 23 43-0046 Union Tees <small>(40 05 23 43-0037)</small>		
40 05 23 43-0047 EA 1/4" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	46.57 7.87	13.09
40 05 23 43-0048 EA 3/8" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	55.43 8.72	14.55
40 05 23 43-0049 EA 1/2" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	72.99 9.76	16.27
40 05 23 43-0050 EA 5/8" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	79.28 11.09	18.46
40 05 23 43-0051 EA 3/4" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	98.40 11.90	19.84
40 05 23 43-0052 EA 7/8" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	149.07 13.19	21.96
40 05 23 43-0053 EA 1" Union Tee, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	178.57 15.74	26.27
40 05 23 43-0054 Unions <small>(40 05 23 43-0037)</small>		
40 05 23 43-0055 EA 1/4" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	44.95 7.87	13.09
40 05 23 43-0056 EA 3/8" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	56.34 8.72	14.55
40 05 23 43-0057 EA 1/2" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	73.59 9.76	16.27
40 05 23 43-0058 EA 5/8" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	88.68 11.09	18.46
40 05 23 43-0059 EA 3/4" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	104.12 11.90	19.84
40 05 23 43-0060 EA 7/8" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	153.63 13.19	21.96
40 05 23 43-0061 EA 1" Union, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	165.65 15.74	26.27
40 05 23 43-0062 Male Connectors <small>(40 05 23 43-0037)</small>		
40 05 23 43-0063 EA 1/4" x 1/4" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	23.91 5.24	8.78
40 05 23 43-0064 EA 3/8" x 3/8" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	28.86 5.74	9.60
40 05 23 43-0065 EA 1/2" x 1/2" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	36.22 6.50	10.82
40 05 23 43-0066 EA 5/8" x 5/8" Male Connection, Stainless Steel Type 304..... <i>For Work In Restricted Working Space, Add</i>	40.76 7.28	12.12



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0067 EA 3/4" x 3/4" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	48.09 7.87	13.09
40 05 23 43-0068 EA 7/8" x 7/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	68.46 8.72	14.55
40 05 23 43-0069 EA 1" x 1" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	73.28 10.38	17.32
40 05 23 43-0070 Type 304 Valves (40 05 23 43-0011)		
40 05 23 43-0071 Gate Valves (40 05 23 43-0070)		
40 05 23 43-0072 EA 1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	155.70 7.10	13.09
40 05 23 43-0073 EA 3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	262.98 7.48	15.37
40 05 23 43-0074 EA 1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	272.66 10.38	17.32
40 05 23 43-0075 EA 3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	302.20 11.90	19.84
40 05 23 43-0076 EA 1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	276.74 15.74	26.27
40 05 23 43-0077 Globe Valves (40 05 23 43-0070)		
40 05 23 43-0078 EA 1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	157.86 7.10	13.09
40 05 23 43-0079 EA 3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	103.91 7.48	15.37
40 05 23 43-0080 EA 1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	187.10 10.38	17.32
40 05 23 43-0081 EA 3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	208.23 11.90	19.84
40 05 23 43-0082 EA 1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	303.98 15.74	26.27
40 05 23 43-0083 Check Valves (40 05 23 43-0070)		
40 05 23 43-0084 EA 1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	221.42 7.10	13.09
40 05 23 43-0085 EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	222.67 7.48	15.37
40 05 23 43-0086 EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	145.14 10.38	17.32
40 05 23 43-0087 EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	151.81 11.90	19.84
40 05 23 43-0088 EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	167.81 15.74	26.27
40 05 23 43-0089 Plug Valves (40 05 23 43-0070)		
40 05 23 43-0090 EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	342.57 10.38	17.32
40 05 23 43-0091 EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	375.01 11.90	19.84
40 05 23 43-0092 EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	424.30 15.74	26.27
40 05 23 43-0093 EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	589.86 17.81	29.68
40 05 23 43-0094 EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	767.95 24.40	40.66
40 05 23 43-0095 Type 316 Tubing (40 05 23 43-0011)		
40 05 23 43-0096 0.035" Wall (40 05 23 43-0095)		
40 05 23 43-0097 LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	5.48 1.31	2.20
40 05 23 43-0098 LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	6.97 1.57	2.60
40 05 23 43-0099 LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	7.85 1.83	3.09
40 05 23 43-0100 LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	12.10 2.09	3.49
40 05 23 43-0101 LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	13.72 2.36	3.91
40 05 23 43-0102 LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	16.98 2.62	4.39
40 05 23 43-0103 LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	18.29 3.15	5.29
40 05 23 43-0104 0.049" Wall (40 05 23 43-0095)		

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0105 LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	8.73 1.57	2.60
40 05 23 43-0106 LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	9.79 1.83	3.09
40 05 23 43-0107 LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	11.46 2.09	3.49
40 05 23 43-0108 LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	14.83 2.62	4.39
40 05 23 43-0109 LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	17.26 3.15	5.29
40 05 23 43-0110 LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	21.61 3.67	6.10
40 05 23 43-0111 LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	22.57 4.17	6.91
40 05 23 43-0112 0.065" Wall (40 05 23 43-0095)		
40 05 23 43-0113 LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	10.21 1.83	3.09
40 05 23 43-0114 LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	11.44 2.09	3.49
40 05 23 43-0115 LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	14.35 2.62	4.39
40 05 23 43-0116 LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	17.13 3.15	5.29
40 05 23 43-0117 LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	20.58 3.67	6.10
40 05 23 43-0118 LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	22.82 4.17	6.91
40 05 23 43-0119 LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	26.39 4.69	7.81
40 05 23 43-0120 Type 316 Tube Fittings (40 05 23 43-0011)		
40 05 23 43-0121 90 Degree Elbows (40 05 23 43-0120)		
40 05 23 43-0122 EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	38.53 5.24	8.78
40 05 23 43-0123 EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	45.68 5.74	9.60
40 05 23 43-0124 EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	69.27 6.50	10.82
40 05 23 43-0125 EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	73.92 7.28	12.12
40 05 23 43-0126 EA 3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.76 7.87	13.09
40 05 23 43-0127 EA 7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	113.48 8.72	14.55
40 05 23 43-0128 EA 1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	144.67 10.38	17.32
40 05 23 43-0129 Union Tees (40 05 23 43-0120)		
40 05 23 43-0130 EA 1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	61.25 7.87	13.09
40 05 23 43-0131 EA 3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	74.47 8.72	14.55
40 05 23 43-0132 EA 1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	102.21 9.76	16.27
40 05 23 43-0133 EA 5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	109.84 11.09	18.46
40 05 23 43-0134 EA 3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.81 11.90	19.84
40 05 23 43-0135 EA 7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	224.95 13.19	21.96
40 05 23 43-0136 EA 1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	269.62 15.74	26.27
40 05 23 43-0137 Unions (40 05 23 43-0120)		
40 05 23 43-0138 EA 1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	42.71 7.87	13.09
40 05 23 43-0139 EA 3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	53.08 8.72	14.55
40 05 23 43-0140 EA 1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	68.68 9.76	16.27
40 05 23 43-0141 EA 5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	82.49 11.09	18.46
40 05 23 43-0142 EA 3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	96.42 11.90	19.84
40 05 23 43-0143 EA 7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	140.52 13.19	21.96



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	40 05 23 43-0144 EA 1" Union, Stainless Steel Type 316.....		152.12	26.27
		<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0145	Male Connectors (40 05 23 43-0120)			
	40 05 23 43-0146 EA 1/4" x 1/4" Male Connector, Stainless Steel Type 316.....		28.46	8.78
		<i>For Work In Restricted Working Space, Add</i>	5.24	
	40 05 23 43-0147 EA 3/8" x 3/8" Male Connector, Stainless Steel Type 316.....		35.73	9.60
		<i>For Work In Restricted Working Space, Add</i>	5.74	
	40 05 23 43-0148 EA 1/2" x 1/2" Male Connector, Stainless Steel Type 316.....		46.51	10.82
		<i>For Work In Restricted Working Space, Add</i>	6.50	
	40 05 23 43-0149 EA 5/8" x 5/8" Male Connector, Stainless Steel Type 316.....		52.41	12.12
		<i>For Work In Restricted Working Space, Add</i>	7.28	
	40 05 23 43-0150 EA 3/4" x 3/4" Male Connector, Stainless Steel Type 316.....		63.54	13.09
		<i>For Work In Restricted Working Space, Add</i>	7.87	
	40 05 23 43-0151 EA 7/8" x 7/8" Male Connector, Stainless Steel Type 316.....		96.32	14.55
		<i>For Work In Restricted Working Space, Add</i>	8.72	
	40 05 23 43-0152 EA 1" x 1" Male Connector, Stainless Steel Type 316.....		100.62	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0153	Type 316 Valves (40 05 23 43-0011)			
40 05 23 43-0154	Gate Valves (40 05 23 43-0153)			
	40 05 23 43-0155 EA 1/4" Gate Valve, Stainless Steel Type 316		198.32	13.09
		<i>For Work In Restricted Working Space, Add</i>	7.10	
	40 05 23 43-0156 EA 3/8" Gate Valve, Stainless Steel Type 316		339.84	15.37
		<i>For Work In Restricted Working Space, Add</i>	7.48	
	40 05 23 43-0157 EA 1/2" Gate Valve, Stainless Steel Type 316		349.52	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
	40 05 23 43-0158 EA 3/4" Gate Valve, Stainless Steel Type 316		386.96	19.84
		<i>For Work In Restricted Working Space, Add</i>	11.90	
	40 05 23 43-0159 EA 1" Gate Valve, Stainless Steel Type 316		349.15	26.27
		<i>For Work In Restricted Working Space, Add</i>	15.74	
	40 05 23 43-0160 EA 1-1/4" Gate Valve, Stainless Steel Type 316		480.89	27.24
		<i>For Work In Restricted Working Space, Add</i>	16.35	
	40 05 23 43-0161 EA 1-1/2" Gate Valve, Stainless Steel Type 316		774.58	29.68
		<i>For Work In Restricted Working Space, Add</i>	17.81	
	40 05 23 43-0162 EA 2" Gate Valve, Stainless Steel Type 316		920.52	40.66
		<i>For Work In Restricted Working Space, Add</i>	24.40	
	40 05 23 43-0163 EA 2-1/2" Gate Valve, Stainless Steel Type 316		1,357.00	130.21
		<i>For Work In Restricted Working Space, Add</i>	78.10	
40 05 23 43-0164	Globe Valves (40 05 23 43-0153)			
	40 05 23 43-0165 EA 1/4" Globe Valve, Stainless Steel Type 316		201.18	13.09
		<i>For Work In Restricted Working Space, Add</i>	7.10	
	40 05 23 43-0166 EA 3/8" Globe Valve, Stainless Steel Type 316		129.41	15.37
		<i>For Work In Restricted Working Space, Add</i>	7.48	
	40 05 23 43-0167 EA 1/2" Globe Valve, Stainless Steel Type 316		236.33	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
	40 05 23 43-0168 EA 3/4" Globe Valve, Stainless Steel Type 316		262.65	19.84
		<i>For Work In Restricted Working Space, Add</i>	11.90	
	40 05 23 43-0169 EA 1" Globe Valve, Stainless Steel Type 316		385.18	26.27
		<i>For Work In Restricted Working Space, Add</i>	15.74	
	40 05 23 43-0170 EA 1-1/4" Globe Valve, Stainless Steel Type 316		481.87	27.08
		<i>For Work In Restricted Working Space, Add</i>	16.23	
	40 05 23 43-0171 EA 1-1/2" Globe Valve, Stainless Steel Type 316		803.19	29.68
		<i>For Work In Restricted Working Space, Add</i>	17.81	
	40 05 23 43-0172 EA 2" Globe Valve, Stainless Steel Type 316		949.13	40.66
		<i>For Work In Restricted Working Space, Add</i>	24.40	
	40 05 23 43-0173 EA 2-1/2" Globe Valve, Stainless Steel Type 316		1,175.81	130.21
		<i>For Work In Restricted Working Space, Add</i>	78.10	
40 05 23 43-0174	Check Valves (40 05 23 43-0153)			
	40 05 23 43-0175 EA 1/4" Check Valve, Stainless Steel Type 316.....		285.27	13.09
		<i>For Work In Restricted Working Space, Add</i>	7.10	
	40 05 23 43-0176 EA 3/8" Check Valve, Stainless Steel Type 316.....		286.52	15.37
		<i>For Work In Restricted Working Space, Add</i>	7.48	
	40 05 23 43-0177 EA 1/2" Check Valve, Stainless Steel Type 316.....		180.83	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
	40 05 23 43-0178 EA 3/4" Check Valve, Stainless Steel Type 316.....		188.01	19.84
		<i>For Work In Restricted Working Space, Add</i>	11.90	
	40 05 23 43-0179 EA 1" Check Valve, Stainless Steel Type 316.....		205.05	26.27
		<i>For Work In Restricted Working Space, Add</i>	15.74	
	40 05 23 43-0180 EA 1-1/4" Check Valve, Stainless Steel Type 316.....		285.08	27.24
		<i>For Work In Restricted Working Space, Add</i>	16.35	
	40 05 23 43-0181 EA 1-1/2" Check Valve, Stainless Steel Type 316.....		641.07	29.68
		<i>For Work In Restricted Working Space, Add</i>	17.81	
	40 05 23 43-0182 EA 2" Check Valve, Stainless Steel Type 316.....		777.48	40.66
		<i>For Work In Restricted Working Space, Add</i>	24.40	

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40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,531.84 78.10	130.21
40 05 23 43-0184			Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	305.71 10.38	17.32
40 05 23 43-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	357.19 11.90	19.84
40 05 23 43-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	455.40 15.74	26.27
40 05 23 43-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	727.82 17.81	29.68
40 05 23 43-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined <i>For Work In Restricted Working Space, Add</i>	1,017.17 24.40	40.66
40 05 23 43-0190			Diaphragm Valves, Teflon Lined <small>(40 05 23 43-0153)</small>		
40 05 23 43-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	405.98 10.38	17.32
40 05 23 43-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	466.74 11.90	19.84
40 05 23 43-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	564.96 15.74	26.27
40 05 23 43-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	881.93 17.81	29.68
40 05 23 43-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined <i>For Work In Restricted Working Space, Add</i>	1,201.00 24.40	40.66
40 05 23 43-0196			Strainers <small>(40 05 23 43-0153)</small>		
40 05 23 43-0197	EA		1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	406.94 10.38	17.32
40 05 23 43-0198	EA		3/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	487.15 11.96	19.92
40 05 23 43-0199	EA		1" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	637.33 15.86	26.43
40 05 23 43-0200	EA		1-1/4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	792.41 16.35	27.24
40 05 23 43-0201	EA		1-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	995.45 17.81	29.68
40 05 23 43-0202	EA		2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,435.97 24.40	40.66
40 05 23 43-0203	EA		2-1/2" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,973.75 32.45	54.09
40 05 23 43-0204	EA		3" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,873.85 48.80	81.33
40 05 23 43-0205	EA		4" Strainer, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	3,673.73 78.07	130.13
40 05 23 43-0206			Plug Valves <small>(40 05 23 43-0153)</small>		
40 05 23 43-0207	EA		1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	433.86 10.38	17.32
40 05 23 43-0208	EA		3/4" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	474.40 11.90	19.84
40 05 23 43-0209	EA		1" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	534.52 15.74	26.27
40 05 23 43-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	747.11 17.81	29.68
40 05 23 43-0211	EA		2" Plug Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	971.48 24.40	40.66
40 05 23 43-0212			Cut And Prepare Existing Pipe In-Place <small>(40 05 23 43-0011)</small>		
Note: For use when connecting pipe to an existing in-place system.					
40 05 23 43-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe	16.26	
40 05 23 43-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe	17.56	
40 05 23 43-0215	EA		Cut And Prepare 1" Stainless Steel Pipe	19.75	
40 05 23 43-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe	20.73	
40 05 23 43-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe	21.95	
40 05 23 43-0218	EA		Cut And Prepare 2" Stainless Steel Pipe	23.57	
40 05 23 43-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe	25.20	
40 05 23 43-0220	EA		Cut And Prepare 3" Stainless Steel Pipe	27.64	
40 05 23 43-0221	EA		Cut And Prepare 4" Stainless Steel Pipe	30.08	
40 05 23 43-0222	EA		Cut And Prepare 6" Stainless Steel Pipe	32.52	
40 05 23 43-0223	EA		Cut And Prepare 8" Stainless Steel Pipe	34.96	
40 05 23 43-0224	EA		Cut And Prepare 10" Stainless Steel Pipe	38.21	
40 05 23 43-0225	EA		Cut And Prepare 12" Stainless Steel Pipe	41.46	
40 05 23 43-0226	EA		Cut And Prepare 14" Stainless Steel Pipe	44.71	
40 05 23 43-0227	EA		Cut And Prepare 16" Stainless Steel Pipe	47.96	
40 05 23 43-0228	EA		Cut And Prepare 18" Stainless Steel Pipe	50.40	



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0229	EA		Cut And Prepare 20" Stainless Steel Pipe	52.85	
40 05 23 43-0230	EA		Cut And Prepare 24" Stainless Steel Pipe	56.10	
40 05 23 43-0231			Stainless Steel Pipe And Fittings <small>(40 05 23 43)</small>		
40 05 23 43-0232			Type 304, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0233			Pipe <small>(40 05 23 43-0232)</small>		
40 05 23 43-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	11.69	3.49
			<i>For Work In Restricted Working Space, Add</i>	2.09	
40 05 23 43-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	14.40	4.39
			<i>For Work In Restricted Working Space, Add</i>	2.62	
40 05 23 43-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	17.69	5.29
			<i>For Work In Restricted Working Space, Add</i>	3.15	
40 05 23 43-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	21.22	6.10
			<i>For Work In Restricted Working Space, Add</i>	3.67	
40 05 23 43-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	24.54	6.91
			<i>For Work In Restricted Working Space, Add</i>	4.17	
40 05 23 43-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	31.32	8.78
			<i>For Work In Restricted Working Space, Add</i>	5.24	
40 05 23 43-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	42.21	10.41
			<i>For Work In Restricted Working Space, Add</i>	6.26	
40 05 23 43-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	53.07	13.09
			<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting	71.76	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0243			90 Degree Elbows <small>(40 05 23 43-0232)</small>		
40 05 23 43-0244	EA		1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	32.79	13.09
			<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0245	EA		3/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	42.05	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0246	EA		1" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	53.85	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0247	EA		1-1/4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	75.08	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0248	EA		1-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	87.59	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0249	EA		2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	109.97	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0250	EA		2-1/2" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	202.81	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0251	EA		3" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	259.84	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0252	EA		4" 90 Degree Elbow, Stainless Steel, Schedule 40 Type 304	383.39	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0253			45 Degree Elbows <small>(40 05 23 43-0232)</small>		
40 05 23 43-0254	EA		1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	35.21	13.09
			<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0255	EA		3/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	44.33	17.32
			<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0256	EA		1" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	54.67	21.96
			<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0257	EA		1-1/4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	74.10	30.09
			<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0258	EA		1-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	88.64	35.37
			<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0259	EA		2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	110.94	42.78
			<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0260	EA		2-1/2" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	223.18	67.74
			<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0261	EA		3" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	298.75	87.42
			<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0262	EA		4" 45 Degree Elbow, Stainless Steel, Schedule 40 Type 304	440.84	108.41
			<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0263			Tees <small>(40 05 23 43-0232)</small>		
40 05 23 43-0264	EA		1/2" Tee, Stainless Steel, Schedule 40 Type 304	49.50	19.84
			<i>For Work In Restricted Working Space, Add</i>	11.90	
40 05 23 43-0265	EA		3/4" Tee, Stainless Steel, Schedule 40 Type 304	62.96	26.27
			<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0266	EA		1" Tee, Stainless Steel, Schedule 40 Type 304	77.46	32.53
			<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0267	EA		1-1/4" Tee, Stainless Steel, Schedule 40 Type 304	110.63	45.22
			<i>For Work In Restricted Working Space, Add</i>	27.11	
40 05 23 43-0268	EA		1-1/2" Tee, Stainless Steel, Schedule 40 Type 304	127.13	50.83
			<i>For Work In Restricted Working Space, Add</i>	30.50	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0269 EA 2" Tee, Stainless Steel, Schedule 40 Type 304.....	166.31	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0270 EA 2-1/2" Tee, Stainless Steel, Schedule 40 Type 304.....	297.77	98.00
<i>For Work In Restricted Working Space, Add</i>	58.79	
40 05 23 43-0271 EA 3" Tee, Stainless Steel, Schedule 40 Type 304.....	417.25	131.19
<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 23 43-0272 EA 4" Tee, Stainless Steel, Schedule 40 Type 304.....	574.95	162.65
<i>For Work In Restricted Working Space, Add</i>	97.59	
40 05 23 43-0273 Reducers (40 05 23 43-0232)		
40 05 23 43-0274 EA 3/4" x 1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	40.78	17.32
<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0275 EA 1" x 3/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	53.08	21.96
<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0276 EA 1-1/4" x 1" Reducer, Stainless Steel, Schedule 40 Type 304.....	78.91	30.09
<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0277 EA 1-1/2" x 1-1/4" Reducer, Stainless Steel, Schedule 40 Type 304.....	91.32	35.37
<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0278 EA 2" x 1-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	117.72	42.78
<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0279 EA 2-1/2" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	203.01	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0280 EA 3" x 2-1/2" Reducer, Stainless Steel, Schedule 40 Type 304.....	247.07	87.42
<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0281 EA 4" x 3" Reducer, Stainless Steel, Schedule 40 Type 304.....	357.74	108.41
<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0282 EA 4" x 2" Reducer, Stainless Steel, Schedule 40 Type 304.....	302.34	99.63
<i>For Work In Restricted Working Space, Add</i>	59.78	
40 05 23 43-0283 Unions (40 05 23 43-0232)		
40 05 23 43-0284 EA 1/2" Union, Stainless Steel, Schedule 40 Type 304.....	53.33	19.84
<i>For Work In Restricted Working Space, Add</i>	11.90	
40 05 23 43-0285 EA 3/4" Union, Stainless Steel, Schedule 40 Type 304.....	71.19	26.27
<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0286 EA 1" Union, Stainless Steel, Schedule 40 Type 304.....	92.24	32.53
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0287 EA 1-1/4" Union, Stainless Steel, Schedule 40 Type 304.....	140.31	45.22
<i>For Work In Restricted Working Space, Add</i>	27.11	
40 05 23 43-0288 EA 1-1/2" Union, Stainless Steel, Schedule 40 Type 304.....	160.37	50.83
<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 43-0289 EA 2" Union, Stainless Steel, Schedule 40 Type 304.....	209.67	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0290 Flanges (40 05 23 43-0232)		
40 05 23 43-0291 EA 2-1/2" Flange, Stainless Steel, Schedule 40 Type 304.....	195.34	67.74
<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0292 EA 3" Flange, Stainless Steel, Schedule 40 Type 304.....	240.09	87.42
<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0293 EA 4" Flange, Stainless Steel, Schedule 40 Type 304.....	310.55	108.41
<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0294 Caps (40 05 23 43-0232)		
40 05 23 43-0295 EA 1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	15.62	6.59
<i>For Work In Restricted Working Space, Add</i>	3.93	
40 05 23 43-0296 EA 3/4" Caps, Stainless Steel, Schedule 40 Type 304.....	21.14	8.78
<i>For Work In Restricted Working Space, Add</i>	5.24	
40 05 23 43-0297 EA 1" Caps, Stainless Steel, Schedule 40 Type 304.....	27.06	10.82
<i>For Work In Restricted Working Space, Add</i>	6.50	
40 05 23 43-0298 EA 1-1/4" Caps, Stainless Steel, Schedule 40 Type 304.....	44.78	15.37
<i>For Work In Restricted Working Space, Add</i>	9.21	
40 05 23 43-0299 EA 1-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	50.87	17.32
<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0300 EA 2" Caps, Stainless Steel, Schedule 40 Type 304.....	64.59	21.96
<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0301 EA 2-1/2" Caps, Stainless Steel, Schedule 40 Type 304.....	100.02	32.53
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0302 EA 3" Caps, Stainless Steel, Schedule 40 Type 304.....	133.94	42.78
<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0303 EA 4" Caps, Stainless Steel, Schedule 40 Type 304.....	197.77	54.25
<i>For Work In Restricted Working Space, Add</i>	32.53	
40 05 23 43-0304 Additional Fittings (40 05 23 43-0232)		
40 05 23 43-0305 EA 1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	64.47	27.24
<i>For Work In Restricted Working Space, Add</i>	16.35	
40 05 23 43-0306 EA 3/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	75.60	32.53
<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0307 EA 1" Thread-O-Let, Stainless Steel, Schedule 40 Type 304.....	110.67	37.00
<i>For Work In Restricted Working Space, Add</i>	22.20	



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Stainless Steel Process Pipe and Tubing 40 05 23

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0308 EA 1-1/4" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.94 24.40	40.66
40 05 23 43-0309 EA 1-1/2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	131.94 24.40	40.66
40 05 23 43-0310 EA 2" Thread-O-Let, Stainless Steel, Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.88 26.84	44.73
40 05 23 43-0311 Type 304 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0312 Pipe <small>(40 05 23 43-0311)</small>		
40 05 23 43-0313 LF 1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	12.79 2.05	3.41
40 05 23 43-0314 LF 3/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	15.19 2.50	4.18
40 05 23 43-0315 LF 1" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	18.08 2.94	4.93
40 05 23 43-0316 LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	21.69 3.67	6.15
40 05 23 43-0317 LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	24.70 4.14	6.90
40 05 23 43-0318 LF 2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	30.76 5.12	8.57
40 05 23 43-0319 LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	38.56 5.86	9.78
40 05 23 43-0320 LF 3" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	44.93 6.59	10.99
40 05 23 43-0321 LF 4" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	55.35 7.81	13.05
40 05 23 43-0322 LF 6" Pipe, Stainless Steel Schedule 5 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	88.55 10.25	17.14
40 05 23 43-0323 LF 8" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	148.77 19.65	30.58
40 05 23 43-0324 LF 10" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	189.31 21.61	33.62
40 05 23 43-0325 LF 12" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	216.18 24.01	37.38
40 05 23 43-0326 LF 14" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	264.91 27.02	42.03
40 05 23 43-0327 LF 16" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	292.17 30.88	48.03
40 05 23 43-0328 LF 18" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	327.95 36.02	56.03
40 05 23 43-0329 LF 20" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	436.26 43.23	67.24
40 05 23 43-0330 LF 24" Pipe, Stainless Steel Schedule 5 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	567.59 54.03	84.05
40 05 23 43-0331 90 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0332 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	99.99 25.94	43.23
40 05 23 43-0333 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	106.01 27.53	45.89
40 05 23 43-0334 EA 1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	116.35 30.26	50.44
40 05 23 43-0335 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	134.77 32.99	54.98
40 05 23 43-0336 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	140.71 36.37	60.68
40 05 23 43-0337 EA 2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	161.16 40.51	67.50
40 05 23 43-0338 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304 <i>For Work In Restricted Working Space, Add</i>	209.86 51.80	86.46
40 05 23 43-0339 EA 3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	249.06 60.64	101.24
40 05 23 43-0340 EA 4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	328.90 72.65	121.34
40 05 23 43-0341 EA 6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	550.76 90.87	151.68
40 05 23 43-0342 EA 8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	935.96 154.38	240.14
40 05 23 43-0343 EA 10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,553.66 205.84	320.19
40 05 23 43-0344 EA 12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,401.31 308.76	480.29
40 05 23 43-0345 EA 14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,052.63 360.22	560.33
40 05 23 43-0346 EA 16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,784.56 410.90	640.39
40 05 23 43-0347 EA 18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,820.73 514.60	800.49
40 05 23 43-0348 EA 20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,889.90 720.44	1,120.68

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0349	EA		24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,955.12 1,029.19	1,600.97
40 05 23 43-0350			45 Degree Elbows <small>(40 05 23 43-0311)</small>		
40 05 23 43-0351	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.93 25.94	43.23
40 05 23 43-0352	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.24 27.53	45.89
40 05 23 43-0353	EA		1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	122.81 30.26	50.44
40 05 23 43-0354	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	147.09 32.97	54.98
40 05 23 43-0355	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	141.31 36.42	60.68
40 05 23 43-0356	EA		2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	157.97 40.51	67.50
40 05 23 43-0357	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	210.90 51.85	86.46
40 05 23 43-0358	EA		3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	241.52 60.77	101.24
40 05 23 43-0359	EA		4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	311.51 72.74	121.34
40 05 23 43-0360	EA		6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	452.09 91.01	151.68
40 05 23 43-0361	EA		8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	774.85 154.38	240.14
40 05 23 43-0362	EA		10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,270.38 205.84	320.19
40 05 23 43-0363	EA		12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,958.69 308.76	480.29
40 05 23 43-0364	EA		14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,432.96 360.22	560.33
40 05 23 43-0365	EA		16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,989.63 410.90	640.39
40 05 23 43-0366	EA		18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,078.90 514.60	800.49
40 05 23 43-0367	EA		20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,925.00 720.44	1,120.68
40 05 23 43-0368	EA		24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,388.25 1,029.19	1,600.97
40 05 23 43-0369			Tees <small>(40 05 23 43-0311)</small>		
40 05 23 43-0370	EA		1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.76 32.96	54.98
40 05 23 43-0371	EA		3/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	189.77 40.47	67.50
40 05 23 43-0372	EA		1" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	203.79 45.47	75.85
40 05 23 43-0373	EA		1-1/4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	262.25 51.85	86.46
40 05 23 43-0374	EA		1-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	237.75 55.66	92.90
40 05 23 43-0375	EA		2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	257.24 60.71	101.24
40 05 23 43-0376	EA		2-1/2" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	398.26 72.74	121.34
40 05 23 43-0377	EA		3" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	405.66 91.16	151.68
40 05 23 43-0378	EA		4" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	484.42 102.30	170.64
40 05 23 43-0379	EA		6" Tees, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	888.45 136.41	227.53
40 05 23 43-0380	EA		8" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,677.59 205.84	320.19
40 05 23 43-0381	EA		10" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,587.21 308.76	480.29
40 05 23 43-0382	EA		12" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,278.27 385.95	600.37
40 05 23 43-0383	EA		14" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,153.89 463.80	720.43
40 05 23 43-0384	EA		16" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,669.12 565.79	880.53
40 05 23 43-0385	EA		18" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,721.08 720.44	1,120.68
40 05 23 43-0386	EA		20" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,612.83 947.94	1,480.90
40 05 23 43-0387	EA		24" Tee, Stainless Steel Schedule 5 Type 304..... <i>For Work In Restricted Working Space, Add</i>	13,200.22 1,440.87	2,241.36
40 05 23 43-0388			Reducers <small>(40 05 23 43-0311)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0389 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 304.....	109.83	41.71
<i>For Work In Restricted Working Space, Add</i>	25.05	
40 05 23 43-0390 EA 1" Reducer, Stainless Steel Schedule 5 Type 304.....	121.41	45.51
<i>For Work In Restricted Working Space, Add</i>	27.30	
40 05 23 43-0391 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 304	148.35	50.44
<i>For Work In Restricted Working Space, Add</i>	30.26	
40 05 23 43-0392 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 304	130.25	54.98
<i>For Work In Restricted Working Space, Add</i>	32.97	
40 05 23 43-0393 EA 2" Reducer, Stainless Steel Schedule 5 Type 304.....	143.42	60.68
<i>For Work In Restricted Working Space, Add</i>	36.42	
40 05 23 43-0394 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 304	185.07	75.85
<i>For Work In Restricted Working Space, Add</i>	45.50	
40 05 23 43-0395 EA 3" Reducer, Stainless Steel Schedule 5 Type 304.....	205.73	86.46
<i>For Work In Restricted Working Space, Add</i>	51.80	
40 05 23 43-0396 EA 4" Reducer, Stainless Steel Schedule 5 Type 304.....	239.64	101.24
<i>For Work In Restricted Working Space, Add</i>	60.71	
40 05 23 43-0397 EA 6" Reducer, Stainless Steel Schedule 5 Type 304.....	308.45	128.93
<i>For Work In Restricted Working Space, Add</i>	77.28	
40 05 23 43-0398 EA 8" Reducer, Stainless Steel Schedule 5 Type 304.....	644.71	192.12
<i>For Work In Restricted Working Space, Add</i>	123.50	
40 05 23 43-0399 EA 10" Reducer, Stainless Steel Schedule 5 Type 304.....	838.70	240.14
<i>For Work In Restricted Working Space, Add</i>	154.38	
40 05 23 43-0400 EA 12" Reducer, Stainless Steel Schedule 5 Type 304.....	1,115.24	320.19
<i>For Work In Restricted Working Space, Add</i>	205.84	
40 05 23 43-0401 EA 14" Reducer, Stainless Steel Schedule 5 Type 304.....	1,479.28	420.25
<i>For Work In Restricted Working Space, Add</i>	270.16	
40 05 23 43-0402 EA 16" Reducer, Stainless Steel Schedule 5 Type 304.....	1,747.62	480.29
<i>For Work In Restricted Working Space, Add</i>	307.88	
40 05 23 43-0403 EA 18" Reducer, Stainless Steel Schedule 5 Type 304.....	2,175.06	600.37
<i>For Work In Restricted Working Space, Add</i>	385.95	
40 05 23 43-0404 EA 20" Reducer, Stainless Steel Schedule 5 Type 304.....	3,253.78	800.49
<i>For Work In Restricted Working Space, Add</i>	514.60	
40 05 23 43-0405 EA 24" Reducer, Stainless Steel Schedule 5 Type 304.....	5,080.47	1,200.72
<i>For Work In Restricted Working Space, Add</i>	771.89	
 40 05 23 43-0406 Weld Neck Flanges (40 05 23 43-0311)		
40 05 23 43-0407 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 304	61.70	17.45
<i>For Work In Restricted Working Space, Add</i>	10.47	
40 05 23 43-0408 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 304	64.74	18.96
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0409 EA 1" Flanges, Stainless Steel Schedule 5 Type 304	77.65	25.41
<i>For Work In Restricted Working Space, Add</i>	15.25	
40 05 23 43-0410 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 304.....	86.15	26.54
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0411 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	100.00	30.34
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0412 EA 2" Flanges, Stainless Steel Schedule 5 Type 304	119.14	34.13
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-0413 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 304.....	161.37	43.61
<i>For Work In Restricted Working Space, Add</i>	26.17	
40 05 23 43-0414 EA 3" Flanges, Stainless Steel Schedule 5 Type 304	178.55	50.44
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0415 EA 4" Flanges, Stainless Steel Schedule 5 Type 304	244.63	68.26
<i>For Work In Restricted Working Space, Add</i>	40.95	
40 05 23 43-0416 EA 6" Flanges, Stainless Steel Schedule 5 Type 304	370.34	101.24
<i>For Work In Restricted Working Space, Add</i>	60.71	
40 05 23 43-0417 EA 8" Flange, Stainless Steel Schedule 5 Type 304.....	678.51	120.08
<i>For Work In Restricted Working Space, Add</i>	77.19	
40 05 23 43-0418 EA 10" Flange, Stainless Steel Schedule 5 Type 304	1,029.67	140.08
<i>For Work In Restricted Working Space, Add</i>	90.05	
40 05 23 43-0419 EA 12" Flange, Stainless Steel Schedule 5 Type 304	1,420.24	160.10
<i>For Work In Restricted Working Space, Add</i>	102.92	
40 05 23 43-0420 EA 14" Flange, Stainless Steel Schedule 5 Type 304.....	1,881.31	200.12
<i>For Work In Restricted Working Space, Add</i>	128.65	
40 05 23 43-0421 EA 16" Flange, Stainless Steel Schedule 5 Type 304	2,511.75	240.14
<i>For Work In Restricted Working Space, Add</i>	154.38	
40 05 23 43-0422 EA 18" Flange, Stainless Steel Schedule 5 Type 304	2,615.00	280.17
<i>For Work In Restricted Working Space, Add</i>	180.11	
40 05 23 43-0423 EA 20" Flange, Stainless Steel Schedule 5 Type 304	3,596.79	340.21
<i>For Work In Restricted Working Space, Add</i>	218.76	
40 05 23 43-0424 EA 24" Flange, Stainless Steel Schedule 5 Type 304	8,009.21	440.27
<i>For Work In Restricted Working Space, Add</i>	282.89	
 40 05 23 43-0425 Slip-On Flanges (40 05 23 43-0311)		
40 05 23 43-0426 EA 1/2" Flange, Stainless Steel Schedule 5 Type 304.....	103.76	37.92
<i>For Work In Restricted Working Space, Add</i>	22.76	
40 05 23 43-0427 EA 3/4" Flange, Stainless Steel Schedule 5 Type 304.....	107.52	37.92
<i>For Work In Restricted Working Space, Add</i>	22.76	
40 05 23 43-0428 EA 1" Flange, Stainless Steel Schedule 5 Type 304.....	127.27	46.64
<i>For Work In Restricted Working Space, Add</i>	27.99	
40 05 23 43-0429 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 304.....	140.18	50.44
<i>For Work In Restricted Working Space, Add</i>	30.26	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0430 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 304.....	156.33	55.37
<i>For Work In Restricted Working Space, Add</i>	33.23	
40 05 23 43-0431 EA 2" Flange, Stainless Steel Schedule 5 Type 304.....	181.99	60.68
<i>For Work In Restricted Working Space, Add</i>	36.37	
40 05 23 43-0432 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 304.....	224.07	68.26
<i>For Work In Restricted Working Space, Add</i>	40.95	
40 05 23 43-0433 EA 3" Flange, Stainless Steel Schedule 5 Type 304.....	245.39	75.85
<i>For Work In Restricted Working Space, Add</i>	45.47	
40 05 23 43-0434 EA 4" Flange, Stainless Steel Schedule 5 Type 304.....	334.58	101.63
<i>For Work In Restricted Working Space, Add</i>	60.97	
40 05 23 43-0435 EA 6" Flange, Stainless Steel Schedule 5 Type 304.....	506.62	151.68
<i>For Work In Restricted Working Space, Add</i>	90.87	
40 05 23 43-0436 EA 8" Flange, Stainless Steel Schedule 5 Type 304.....	1,464.39	240.14
<i>For Work In Restricted Working Space, Add</i>	154.38	
40 05 23 43-0437 Caps (40 05 23 43-0311)		
40 05 23 43-0438 EA 1/2" Cap, Stainless Steel Schedule 5 Type 304.....	52.70	17.45
<i>For Work In Restricted Working Space, Add</i>	10.47	
40 05 23 43-0439 EA 3/4" Cap, Stainless Steel Schedule 5 Type 304.....	58.21	18.96
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0440 EA 1" Cap, Stainless Steel Schedule 5 Type 304.....	73.18	25.03
<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0441 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 304.....	78.96	26.54
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0442 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 304.....	88.41	30.34
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0443 EA 2" Cap, Stainless Steel Schedule 5 Type 304.....	96.85	34.13
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-0444 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 304.....	120.50	43.61
<i>For Work In Restricted Working Space, Add</i>	26.17	
40 05 23 43-0445 EA 3" Cap, Stainless Steel Schedule 5 Type 304.....	137.78	50.44
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0446 EA 4" Cap, Stainless Steel Schedule 5 Type 304.....	199.66	67.50
<i>For Work In Restricted Working Space, Add</i>	40.49	
40 05 23 43-0447 EA 6" Cap, Stainless Steel Schedule 5 Type 304.....	268.91	101.24
<i>For Work In Restricted Working Space, Add</i>	60.71	
40 05 23 43-0448 Reducing Tees (40 05 23 43-0311)		
40 05 23 43-0449 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	141.20	54.98
<i>For Work In Restricted Working Space, Add</i>	27.54	
40 05 23 43-0450 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	161.90	67.50
<i>For Work In Restricted Working Space, Add</i>	33.75	
40 05 23 43-0451 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	192.54	75.85
<i>For Work In Restricted Working Space, Add</i>	37.92	
40 05 23 43-0452 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	192.01	86.46
<i>For Work In Restricted Working Space, Add</i>	43.23	
40 05 23 43-0453 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	209.01	92.90
<i>For Work In Restricted Working Space, Add</i>	46.46	
40 05 23 43-0454 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	304.14	101.24
<i>For Work In Restricted Working Space, Add</i>	50.63	
40 05 23 43-0455 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	295.99	121.34
<i>For Work In Restricted Working Space, Add</i>	60.68	
40 05 23 43-0456 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	388.19	151.68
<i>For Work In Restricted Working Space, Add</i>	75.84	
40 05 23 43-0457 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 304.....	695.03	173.30
<i>For Work In Restricted Working Space, Add</i>	86.66	
40 05 23 43-0458 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 304L.....	1,279.17	240.14
<i>For Work In Restricted Working Space, Add</i>	128.65	
40 05 23 43-0459 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	2,050.63	320.19
<i>For Work In Restricted Working Space, Add</i>	171.53	
40 05 23 43-0460 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	2,748.93	480.29
<i>For Work In Restricted Working Space, Add</i>	257.30	
40 05 23 43-0461 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	3,498.62	577.14
<i>For Work In Restricted Working Space, Add</i>	309.11	
40 05 23 43-0462 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	3,900.06	704.02
<i>For Work In Restricted Working Space, Add</i>	377.06	
40 05 23 43-0463 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	4,756.56	896.54
<i>For Work In Restricted Working Space, Add</i>	480.29	
40 05 23 43-0464 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	7,282.55	1,179.51
<i>For Work In Restricted Working Space, Add</i>	631.96	
40 05 23 43-0465 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 304.....	11,174.52	1,792.28
<i>For Work In Restricted Working Space, Add</i>	959.73	
40 05 23 43-0466 Type 304 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0231)		
40 05 23 43-0467 Pipe (40 05 23 43-0466)		
40 05 23 43-0468 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting.....	12.93	3.41
<i>For Work In Restricted Working Space, Add</i>	2.05	
40 05 23 43-0469 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting.....	15.40	4.18
<i>For Work In Restricted Working Space, Add</i>	2.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0470 LF 1" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.31 2.94	4.93
40 05 23 43-0471 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	24.81 3.67	6.15
40 05 23 43-0472 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	27.62 4.14	6.90
40 05 23 43-0473 LF 2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	34.16 5.12	8.57
40 05 23 43-0474 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	40.77 5.86	9.78
40 05 23 43-0475 LF 3" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	48.02 6.59	10.99
40 05 23 43-0476 LF 4" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	60.18 7.81	13.05
40 05 23 43-0477 LF 6" Pipe, Stainless Steel Schedule 10 Type 304 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	87.49 10.25	17.14
40 05 23 43-0478 LF 8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	147.15 19.65	30.58
40 05 23 43-0479 LF 10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	187.02 21.61	33.62
40 05 23 43-0480 LF 12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	223.34 24.01	37.38
40 05 23 43-0481 LF 14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	274.12 27.02	42.03
40 05 23 43-0482 LF 16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	302.13 30.88	48.03
40 05 23 43-0483 LF 18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.89 36.02	56.03
40 05 23 43-0484 LF 20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	468.71 43.23	67.24
40 05 23 43-0485 LF 24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	610.65 54.03	84.05
40 05 23 43-0486 90 Degree Elbows (40 05 23 43-0466)		
40 05 23 43-0487 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	97.33 25.94	43.23
40 05 23 43-0488 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.64 27.53	45.89
40 05 23 43-0489 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.75 30.26	50.44
40 05 23 43-0490 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	125.84 33.00	54.98
40 05 23 43-0491 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	141.49 36.38	60.68
40 05 23 43-0492 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	156.32 40.52	67.50
40 05 23 43-0493 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	202.83 51.82	86.46
40 05 23 43-0494 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	240.17 60.67	101.24
40 05 23 43-0495 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	313.15 72.69	121.34
40 05 23 43-0496 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	505.11 90.82	151.68
40 05 23 43-0497 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	976.35 154.38	240.14
40 05 23 43-0498 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,542.76 205.84	320.19
40 05 23 43-0499 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,373.06 308.76	480.29
40 05 23 43-0500 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,018.12 360.22	560.33
40 05 23 43-0501 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,738.98 410.90	640.39
40 05 23 43-0502 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,758.61 514.60	800.49
40 05 23 43-0503 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	7,792.59 720.44	1,120.68
40 05 23 43-0504 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	10,812.40 1,029.19	1,600.97
40 05 23 43-0505 45 Degree Elbows (40 05 23 43-0466)		
40 05 23 43-0506 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	101.79 25.94	43.23
40 05 23 43-0507 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	107.10 27.53	45.89
40 05 23 43-0508 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	116.21 30.26	50.44
40 05 23 43-0509 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	127.09 32.98	54.98
40 05 23 43-0510 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304 <i>For Work In Restricted Working Space, Add</i>	138.94 36.42	60.68

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0511 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.25 40.52	67.50
40 05 23 43-0512 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	202.27 51.86	86.46
40 05 23 43-0513 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	233.13 60.74	101.24
40 05 23 43-0514 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	296.46 72.76	121.34
40 05 23 43-0515 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	418.61 91.01	151.68
40 05 23 43-0516 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	867.27 154.38	240.14
40 05 23 43-0517 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,267.11 205.84	320.19
40 05 23 43-0518 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,955.91 308.76	480.29
40 05 23 43-0519 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,429.31 360.22	560.33
40 05 23 43-0520 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,984.36 410.90	640.39
40 05 23 43-0521 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,071.98 514.60	800.49
40 05 23 43-0522 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	6,915.63 720.44	1,120.68
40 05 23 43-0523 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	9,368.76 1,029.19	1,600.97
40 05 23 43-0524 Tees (40 05 23 43-0466)		
40 05 23 43-0525 EA 1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	146.37 32.96	54.98
40 05 23 43-0526 EA 3/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	171.38 40.47	67.50
40 05 23 43-0527 EA 1" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	188.05 45.47	75.85
40 05 23 43-0528 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	213.06 51.88	86.46
40 05 23 43-0529 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	226.94 55.68	92.90
40 05 23 43-0530 EA 2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	266.84 60.71	101.24
40 05 23 43-0531 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	321.58 72.76	121.34
40 05 23 43-0532 EA 3" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	415.65 91.13	151.68
40 05 23 43-0533 EA 4" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	462.58 102.29	170.64
40 05 23 43-0534 EA 6" Tees, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	793.14 136.51	227.53
40 05 23 43-0535 EA 8" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,332.75 205.84	320.19
40 05 23 43-0536 EA 10" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,957.97 308.76	480.29
40 05 23 43-0537 EA 12" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,298.82 385.95	600.37
40 05 23 43-0538 EA 14" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,182.66 463.80	720.43
40 05 23 43-0539 EA 16" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	4,698.04 565.79	880.53
40 05 23 43-0540 EA 18" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,755.33 720.44	1,120.68
40 05 23 43-0541 EA 20" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,669.64 947.94	1,480.90
40 05 23 43-0542 EA 24" Tee, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	13,287.25 1,440.87	2,241.36
40 05 23 43-0543 Reducers (40 05 23 43-0466)		
40 05 23 43-0544 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	111.22 25.05	41.71
40 05 23 43-0545 EA 1" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	123.02 27.30	45.51
40 05 23 43-0546 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	150.85 30.26	50.44
40 05 23 43-0547 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	131.30 32.97	54.98
40 05 23 43-0548 EA 2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	144.54 36.41	60.68
40 05 23 43-0549 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	186.81 45.50	75.85
40 05 23 43-0550 EA 3" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	207.49 51.81	86.46
40 05 23 43-0551 EA 4" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	241.60 60.71	101.24



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0552 EA 6" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	311.16 77.30	128.93
40 05 23 43-0553 EA 8" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	656.98 123.50	192.12
40 05 23 43-0554 EA 10" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	855.75 154.38	240.14
40 05 23 43-0555 EA 12" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,137.82 205.84	320.19
40 05 23 43-0556 EA 14" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,509.74 270.16	420.25
40 05 23 43-0557 EA 16" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,786.47 308.14	480.29
40 05 23 43-0558 EA 18" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,221.83 385.95	600.37
40 05 23 43-0559 EA 20" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,334.76 514.60	800.49
40 05 23 43-0560 EA 24" Reducer, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	5,212.44 771.89	1,200.72
40 05 23 43-0561 Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0562 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	63.11 10.47	17.45
40 05 23 43-0563 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	66.15 11.38	18.96
40 05 23 43-0564 EA 1" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	79.05 15.25	25.41
40 05 23 43-0565 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	87.89 15.92	26.54
40 05 23 43-0566 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.07 18.20	30.34
40 05 23 43-0567 EA 2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	121.83 20.46	34.13
40 05 23 43-0568 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	165.28 26.17	43.61
40 05 23 43-0569 EA 3" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	182.64 30.24	50.44
40 05 23 43-0570 EA 4" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	250.34 40.96	68.26
40 05 23 43-0571 EA 6" Flanges, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	379.14 60.69	101.24
40 05 23 43-0572 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	700.67 77.19	120.08
40 05 23 43-0573 EA 10" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,068.06 90.05	140.08
40 05 23 43-0574 EA 12" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,476.94 102.92	160.10
40 05 23 43-0575 EA 14" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,957.76 128.65	200.12
40 05 23 43-0576 EA 16" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,616.87 154.38	240.14
40 05 23 43-0577 EA 18" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,721.04 180.11	280.17
40 05 23 43-0578 EA 20" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,747.71 218.76	340.21
40 05 23 43-0579 EA 24" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	8,381.11 282.89	440.27
40 05 23 43-0580 Slip-On Flanges <small>(40 05 23 43-0466)</small>		
40 05 23 43-0581 EA 1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	105.23 22.76	37.92
40 05 23 43-0582 EA 3/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	109.19 22.76	37.92
40 05 23 43-0583 EA 1" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	129.05 27.99	46.64
40 05 23 43-0584 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	142.24 30.26	50.44
40 05 23 43-0585 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	158.72 33.22	55.37
40 05 23 43-0586 EA 2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	185.23 36.38	60.68
40 05 23 43-0587 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	228.70 40.96	68.26
40 05 23 43-0588 EA 3" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	250.34 45.47	75.85
40 05 23 43-0589 EA 4" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	341.53 60.98	101.63
40 05 23 43-0590 EA 6" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	517.53 90.92	151.68
40 05 23 43-0591 EA 8" Flange, Stainless Steel Schedule 10 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,514.38 154.38	240.14

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0592 Caps (40 05 23 43-0466)					
40 05 23 43-0593	EA		1/2" Cap, Stainless Steel Schedule 10 Type 304.....	53.64	17.45
			<i>For Work In Restricted Working Space, Add</i>	10.47	
40 05 23 43-0594	EA		3/4" Cap, Stainless Steel Schedule 10 Type 304.....	59.28	18.96
			<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0595	EA		1" Cap, Stainless Steel Schedule 10 Type 304.....	74.39	25.03
			<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-0596	EA		1-1/4" Cap, Stainless Steel Schedule 10 Type 304.....	80.32	26.54
			<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0597	EA		1-1/2" Cap, Stainless Steel Schedule 10 Type 304.....	89.87	30.34
			<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0598	EA		2" Cap, Stainless Steel Schedule 10 Type 304.....	98.37	34.13
			<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-0599	EA		2-1/2" Cap, Stainless Steel Schedule 10 Type 304.....	122.25	43.61
			<i>For Work In Restricted Working Space, Add</i>	26.17	
40 05 23 43-0600	EA		3" Cap, Stainless Steel Schedule 10 Type 304.....	139.72	50.44
			<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0601	EA		4" Cap, Stainless Steel Schedule 10 Type 304.....	203.11	67.50
			<i>For Work In Restricted Working Space, Add</i>	40.50	
40 05 23 43-0602	EA		6" Cap, Stainless Steel Schedule 10 Type 304.....	272.37	101.24
			<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-0603 Reducing Tees (40 05 23 43-0466)					
40 05 23 43-0604	EA		3/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	145.11	54.98
			<i>For Work In Restricted Working Space, Add</i>	27.54	
40 05 23 43-0605	EA		1" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	179.23	67.50
			<i>For Work In Restricted Working Space, Add</i>	33.75	
40 05 23 43-0606	EA		1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	199.89	75.85
			<i>For Work In Restricted Working Space, Add</i>	37.92	
40 05 23 43-0607	EA		1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	224.33	86.46
			<i>For Work In Restricted Working Space, Add</i>	43.23	
40 05 23 43-0608	EA		2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	249.03	92.90
			<i>For Work In Restricted Working Space, Add</i>	46.46	
40 05 23 43-0609	EA		2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	357.71	101.24
			<i>For Work In Restricted Working Space, Add</i>	50.63	
40 05 23 43-0610	EA		3" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	365.76	121.34
			<i>For Work In Restricted Working Space, Add</i>	60.68	
40 05 23 43-0611	EA		4" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	453.01	151.68
			<i>For Work In Restricted Working Space, Add</i>	75.84	
40 05 23 43-0612	EA		6" Reducing Tees, Stainless Steel Schedule 10 Type 304.....	782.91	173.30
			<i>For Work In Restricted Working Space, Add</i>	86.66	
40 05 23 43-0613	EA		8" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	1,373.65	240.14
			<i>For Work In Restricted Working Space, Add</i>	128.65	
40 05 23 43-0614	EA		10" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	2,896.29	320.19
			<i>For Work In Restricted Working Space, Add</i>	171.53	
40 05 23 43-0615	EA		12" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	3,798.00	480.29
			<i>For Work In Restricted Working Space, Add</i>	257.30	
40 05 23 43-0616	EA		14" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	4,882.98	577.14
			<i>For Work In Restricted Working Space, Add</i>	309.11	
40 05 23 43-0617	EA		16" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	5,365.80	704.02
			<i>For Work In Restricted Working Space, Add</i>	377.06	
40 05 23 43-0618	EA		18" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	6,501.54	896.54
			<i>For Work In Restricted Working Space, Add</i>	480.29	
40 05 23 43-0619	EA		20" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	8,635.60	1,179.68
			<i>For Work In Restricted Working Space, Add</i>	631.96	
40 05 23 43-0620	EA		24" Reducing Tee, Stainless Steel Schedule 10 Type 304.....	12,933.14	1,792.12
			<i>For Work In Restricted Working Space, Add</i>	959.73	
40 05 23 43-0621 Type 304 Schedule 40 Pipe And Welded Butt Fittings (40 05 23 43-0231)					
40 05 23 43-0622 Pipe (40 05 23 43-0621)					
40 05 23 43-0623	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	14.43	3.41
			<i>For Work In Restricted Working Space, Add</i>	2.05	
40 05 23 43-0624	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	17.53	4.18
			<i>For Work In Restricted Working Space, Add</i>	2.50	
40 05 23 43-0625	LF		1" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	21.45	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.94	
40 05 23 43-0626	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	26.81	6.06
			<i>For Work In Restricted Working Space, Add</i>	3.67	
40 05 23 43-0627	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	30.87	6.83
			<i>For Work In Restricted Working Space, Add</i>	4.14	
40 05 23 43-0628	LF		2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	39.51	8.72
			<i>For Work In Restricted Working Space, Add</i>	5.12	
40 05 23 43-0629	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	48.93	9.86
			<i>For Work In Restricted Working Space, Add</i>	5.86	
40 05 23 43-0630	LF		3" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	47.87	10.99
			<i>For Work In Restricted Working Space, Add</i>	6.59	
40 05 23 43-0631	LF		4" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	78.38	12.89
			<i>For Work In Restricted Working Space, Add</i>	7.81	
40 05 23 43-0632	LF		6" Pipe, Stainless Steel Schedule 40 Type 304 For Butt Weld Fitting.....	121.65	17.07
			<i>For Work In Restricted Working Space, Add</i>	10.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0633 LF 8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	215.47 19.65	30.42
40 05 23 43-0634 LF 10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	272.00 21.61	33.62
40 05 23 43-0635 LF 12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.32 24.01	37.23
40 05 23 43-0636 90 Degree Elbows <small>(40 05 23 43-0621)</small>		
40 05 23 43-0637 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	102.21 25.94	43.23
40 05 23 43-0638 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	107.52 27.53	45.89
40 05 23 43-0639 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	118.75 30.26	50.44
40 05 23 43-0640 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	136.74 33.00	54.98
40 05 23 43-0641 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	143.56 36.38	60.68
40 05 23 43-0642 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	164.81 40.52	67.50
40 05 23 43-0643 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	234.70 51.82	86.46
40 05 23 43-0644 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	286.32 60.67	101.24
40 05 23 43-0645 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	391.03 72.69	121.34
40 05 23 43-0646 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	798.46 90.82	151.68
40 05 23 43-0647 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,346.71 154.38	240.14
40 05 23 43-0648 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,447.74 205.84	320.19
40 05 23 43-0649 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	3,463.59 308.76	480.29
40 05 23 43-0650 45 Degree <small>(40 05 23 43-0621)</small>		
40 05 23 43-0651 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	108.76 25.94	43.23
40 05 23 43-0652 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	114.07 27.53	45.89
40 05 23 43-0653 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	123.18 30.26	50.44
40 05 23 43-0654 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	132.24 32.98	54.98
40 05 23 43-0655 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	151.14 36.42	60.68
40 05 23 43-0656 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	166.32 40.52	67.50
40 05 23 43-0657 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	232.16 51.86	86.46
40 05 23 43-0658 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	261.79 60.74	101.24
40 05 23 43-0659 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	346.98 72.76	121.34
40 05 23 43-0660 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	600.81 91.01	151.68
40 05 23 43-0661 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,063.43 154.38	240.14
40 05 23 43-0662 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	1,739.56 205.84	320.19
40 05 23 43-0663 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	2,392.46 308.76	480.29
40 05 23 43-0664 Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0665 EA 1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	162.11 32.96	54.98
40 05 23 43-0666 EA 3/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	187.12 40.47	67.50
40 05 23 43-0667 EA 1" Tees, Stainless Steel Schedule 40 Type 304..... <i>For Work In Restricted Working Space, Add</i>	203.79 45.47	75.85
40 05 23 43-0668 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	257.02 51.88	86.46
40 05 23 43-0669 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	237.82 55.68	92.90
40 05 23 43-0670 EA 2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	257.26 60.71	101.24
40 05 23 43-0671 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	391.24 72.76	121.34
40 05 23 43-0672 EA 3" Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	422.37 91.13	151.68

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0673 EA 4" Tees, Stainless Steel Schedule 40 Type 304	502.06	170.64
<i>For Work In Restricted Working Space, Add</i>	102.29	
40 05 23 43-0674 EA 6" Tees, Stainless Steel Schedule 40 Type 304	938.36	227.53
<i>For Work In Restricted Working Space, Add</i>	136.51	
40 05 23 43-0675 EA 8" Tee, Stainless Steel Schedule 40 Type 304	1,987.42	320.19
<i>For Work In Restricted Working Space, Add</i>	205.84	
40 05 23 43-0676 EA 10" Tee, Stainless Steel Schedule 40 Type 304	3,507.85	480.29
<i>For Work In Restricted Working Space, Add</i>	308.76	
40 05 23 43-0677 EA 12" Tee, Stainless Steel Schedule 40 Type 304	4,384.81	600.37
<i>For Work In Restricted Working Space, Add</i>	385.95	
40 05 23 43-0678 Reducers <small>(40 05 23 43-0621)</small>		
40 05 23 43-0679 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 304	114.55	41.71
<i>For Work In Restricted Working Space, Add</i>	25.05	
40 05 23 43-0680 EA 1" Reducer, Stainless Steel Schedule 40 Type 304	126.86	45.51
<i>For Work In Restricted Working Space, Add</i>	27.30	
40 05 23 43-0681 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 304	156.85	50.44
<i>For Work In Restricted Working Space, Add</i>	30.26	
40 05 23 43-0682 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 304	133.89	54.98
<i>For Work In Restricted Working Space, Add</i>	32.97	
40 05 23 43-0683 EA 2" Reducer, Stainless Steel Schedule 40 Type 304	147.36	60.68
<i>For Work In Restricted Working Space, Add</i>	36.42	
40 05 23 43-0684 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 304	191.05	75.85
<i>For Work In Restricted Working Space, Add</i>	45.50	
40 05 23 43-0685 EA 3" Reducer, Stainless Steel Schedule 40 Type 304	211.64	86.46
<i>For Work In Restricted Working Space, Add</i>	51.80	
40 05 23 43-0686 EA 4" Reducer, Stainless Steel Schedule 40 Type 304	246.31	101.24
<i>For Work In Restricted Working Space, Add</i>	60.71	
40 05 23 43-0687 EA 6" Reducer, Stainless Steel Schedule 40 Type 304	317.55	128.93
<i>For Work In Restricted Working Space, Add</i>	77.28	
40 05 23 43-0688 EA 8" Reducer, Stainless Steel Schedule 40 Type 304	686.41	192.12
<i>For Work In Restricted Working Space, Add</i>	123.50	
40 05 23 43-0689 EA 10" Reducer, Stainless Steel Schedule 40 Type 304	896.69	240.14
<i>For Work In Restricted Working Space, Add</i>	154.38	
40 05 23 43-0690 EA 12" Reducer, Stainless Steel Schedule 40 Type 304	1,192.03	320.19
<i>For Work In Restricted Working Space, Add</i>	205.84	
40 05 23 43-0691 Flanges <small>(40 05 23 43-0621)</small>		
40 05 23 43-0692 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 304	66.49	17.45
<i>For Work In Restricted Working Space, Add</i>	10.47	
40 05 23 43-0693 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 304	69.53	18.96
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-0694 EA 1" Flanges, Stainless Steel Schedule 40 Type 304	82.43	25.41
<i>For Work In Restricted Working Space, Add</i>	15.25	
40 05 23 43-0695 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 304	92.07	26.54
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-0696 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 304	107.03	30.34
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-0697 EA 2" Flanges, Stainless Steel Schedule 40 Type 304	128.27	34.13
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-0698 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 304	174.64	43.61
<i>For Work In Restricted Working Space, Add</i>	26.17	
40 05 23 43-0699 EA 3" Flanges, Stainless Steel Schedule 40 Type 304	192.46	50.44
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-0700 EA 4" Flanges, Stainless Steel Schedule 40 Type 304	264.00	68.26
<i>For Work In Restricted Working Space, Add</i>	40.96	
40 05 23 43-0701 EA 6" Flanges, Stainless Steel Schedule 40 Type 304	400.35	101.24
<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-0702 EA 8" Flange, Stainless Steel Schedule 40 Type 304	753.88	120.08
<i>For Work In Restricted Working Space, Add</i>	77.19	
40 05 23 43-0703 EA 10" Flange, Stainless Steel Schedule 40 Type 304	1,160.21	140.08
<i>For Work In Restricted Working Space, Add</i>	90.05	
40 05 23 43-0704 EA 12" Flange, Stainless Steel Schedule 40 Type 304	1,613.00	160.10
<i>For Work In Restricted Working Space, Add</i>	102.92	
40 05 23 43-0705 Slip-On Flanges <small>(40 05 23 43-0621)</small>		
40 05 23 43-0706 EA 1/2" Flange, Stainless Steel Schedule 40 Type 304	108.75	37.92
<i>For Work In Restricted Working Space, Add</i>	22.76	
40 05 23 43-0707 EA 3/4" Flange, Stainless Steel Schedule 40 Type 304	113.19	37.92
<i>For Work In Restricted Working Space, Add</i>	22.76	
40 05 23 43-0708 EA 1" Flange, Stainless Steel Schedule 40 Type 304	133.34	46.64
<i>For Work In Restricted Working Space, Add</i>	27.99	
40 05 23 43-0709 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 304	147.20	50.44
<i>For Work In Restricted Working Space, Add</i>	30.26	
40 05 23 43-0710 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 304	164.48	55.37
<i>For Work In Restricted Working Space, Add</i>	33.22	
40 05 23 43-0711 EA 2" Flange, Stainless Steel Schedule 40 Type 304	192.90	60.68
<i>For Work In Restricted Working Space, Add</i>	36.38	
40 05 23 43-0712 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 304	239.76	68.26
<i>For Work In Restricted Working Space, Add</i>	40.96	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0713 EA 3" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	262.19 45.47	75.85
40 05 23 43-0714 EA 4" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	358.13 60.98	101.63
40 05 23 43-0715 EA 6" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	543.26 90.92	151.68
40 05 23 43-0716 EA 8" Flange, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	1,634.36 154.38	240.14
40 05 23 43-0717 Caps <small>(40 05 23 43-0621)</small>		
40 05 23 43-0718 EA 1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	55.89 10.47	17.45
40 05 23 43-0719 EA 3/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	61.84 11.38	18.96
40 05 23 43-0720 EA 1" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	77.31 15.02	25.03
40 05 23 43-0721 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	83.59 15.92	26.54
40 05 23 43-0722 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	93.37 18.20	30.34
40 05 23 43-0723 EA 2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	101.99 20.46	34.13
40 05 23 43-0724 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	126.45 26.17	43.61
40 05 23 43-0725 EA 3" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	144.39 30.24	50.44
40 05 23 43-0726 EA 4" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	211.28 40.50	67.50
40 05 23 43-0727 EA 6" Cap, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	280.77 60.69	101.24
40 05 23 43-0728 Reducing Tees <small>(40 05 23 43-0621)</small>		
40 05 23 43-0729 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	149.00 27.47	54.98
40 05 23 43-0730 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	169.83 33.71	67.50
40 05 23 43-0731 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	183.76 37.89	75.85
40 05 23 43-0732 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	236.55 43.21	86.46
40 05 23 43-0733 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	212.05 46.38	92.90
40 05 23 43-0734 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	229.00 50.59	101.24
40 05 23 43-0735 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	365.64 60.62	121.34
40 05 23 43-0736 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	383.69 75.96	151.68
40 05 23 43-0737 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	461.40 85.25	170.64
40 05 23 43-0738 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	910.58 113.67	227.53
40 05 23 43-0739 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	2,003.19 171.53	320.19
40 05 23 43-0740 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	3,584.18 257.30	480.29
40 05 23 43-0741 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 304 <i>For Work In Restricted Working Space, Add</i>	4,480.23 321.62	600.37
40 05 23 43-0742 Type 316, Schedule 40 Pipe And 150 LB Threaded Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-0743 Pipe <small>(40 05 23 43-0742)</small>		
40 05 23 43-0744 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	14.19 2.09	3.49
40 05 23 43-0745 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	16.86 2.62	4.39
40 05 23 43-0746 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	21.22 3.15	5.29
40 05 23 43-0747 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	25.84 3.67	6.10
40 05 23 43-0748 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	30.01 4.17	6.91
40 05 23 43-0749 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	38.64 5.24	8.78
40 05 23 43-0750 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	52.45 6.26	10.41
40 05 23 43-0751 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	68.34 7.87	13.09
40 05 23 43-0752 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting <i>For Work In Restricted Working Space, Add</i>	91.63 10.38	17.32

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 05 23 43-0753		90 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0754	EA	1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	37.13	13.09
		<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0755	EA	3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	48.32	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0756	EA	1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	60.07	21.96
		<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0757	EA	1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	86.80	30.09
		<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0758	EA	1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	98.77	35.37
		<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0759	EA	2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	129.15	42.78
		<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0760	EA	2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	241.26	67.74
		<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0761	EA	3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	315.41	87.42
		<i>For Work In Restricted Working Space, Add</i>	52.45	
40 05 23 43-0762	EA	4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	484.12	108.41
		<i>For Work In Restricted Working Space, Add</i>	65.03	
40 05 23 43-0763		45 Degree Elbows <small>(40 05 23 43-0742)</small>		
40 05 23 43-0764	EA	1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	40.97	13.09
		<i>For Work In Restricted Working Space, Add</i>	7.87	
40 05 23 43-0765	EA	3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	52.78	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0766	EA	1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	62.31	21.96
		<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0767	EA	1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	84.54	30.09
		<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0768	EA	1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	99.92	35.37
		<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0769	EA	2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	128.19	42.78
		<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0770	EA	2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	274.48	67.74
		<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0771	EA	3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	379.06	87.42
		<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0772	EA	4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316.....	585.71	108.41
		<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0773		Tees <small>(40 05 23 43-0742)</small>		
40 05 23 43-0774	EA	1/2" Tee, Stainless Steel Schedule 40 Type 316.....	55.09	19.84
		<i>For Work In Restricted Working Space, Add</i>	11.90	
40 05 23 43-0775	EA	3/4" Tee, Stainless Steel Schedule 40 Type 316.....	71.51	26.27
		<i>For Work In Restricted Working Space, Add</i>	15.74	
40 05 23 43-0776	EA	1" Tee, Stainless Steel Schedule 40 Type 316.....	85.13	32.53
		<i>For Work In Restricted Working Space, Add</i>	19.52	
40 05 23 43-0777	EA	1-1/4" Tee, Stainless Steel Schedule 40 Type 316.....	126.04	45.22
		<i>For Work In Restricted Working Space, Add</i>	27.11	
40 05 23 43-0778	EA	1-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	143.37	50.83
		<i>For Work In Restricted Working Space, Add</i>	30.50	
40 05 23 43-0779	EA	2" Tee, Stainless Steel Schedule 40 Type 316.....	192.18	67.74
		<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0780	EA	2-1/2" Tee, Stainless Steel Schedule 40 Type 316.....	361.88	98.00
		<i>For Work In Restricted Working Space, Add</i>	58.79	
40 05 23 43-0781	EA	3" Tee, Stainless Steel Schedule 40 Type 316.....	517.80	131.19
		<i>For Work In Restricted Working Space, Add</i>	78.70	
40 05 23 43-0782	EA	4" Tee, Stainless Steel Schedule 40 Type 316.....	738.78	162.65
		<i>For Work In Restricted Working Space, Add</i>	97.59	
40 05 23 43-0783		Reducers <small>(40 05 23 43-0742)</small>		
40 05 23 43-0784	EA	3/4" x 1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	44.75	17.32
		<i>For Work In Restricted Working Space, Add</i>	10.38	
40 05 23 43-0785	EA	1" x 3/4" Reducer, Stainless Steel Schedule 40 Type 316.....	60.41	21.96
		<i>For Work In Restricted Working Space, Add</i>	13.19	
40 05 23 43-0786	EA	1-1/4" x 1" Reducer, Stainless Steel Schedule 40 Type 316.....	85.23	30.09
		<i>For Work In Restricted Working Space, Add</i>	18.07	
40 05 23 43-0787	EA	1-1/2" x 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316.....	102.62	35.37
		<i>For Work In Restricted Working Space, Add</i>	21.22	
40 05 23 43-0788	EA	2" x 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	131.23	42.78
		<i>For Work In Restricted Working Space, Add</i>	25.68	
40 05 23 43-0789	EA	2-1/2" x 2" Reducer, Stainless Steel Schedule 40 Type 316.....	243.16	67.74
		<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0790	EA	3" x 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316.....	321.61	87.42
		<i>For Work In Restricted Working Space, Add</i>	52.47	
40 05 23 43-0791	EA	4" x 3" Reducer, Stainless Steel Schedule 40 Type 316.....	445.52	108.41
		<i>For Work In Restricted Working Space, Add</i>	65.06	



Process Interconnections	40
Common Work Results For Process Interconnections	
Stainless Steel Process Pipe and Tubing	40 05 23

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0792 Unions <small>(40 05 23 43-0742)</small>						
				EA 1/2" Union, Stainless Steel Schedule 40 Type 316.....	61.41	19.84
				<i>For Work In Restricted Working Space, Add</i>	11.90	
				EA 3/4" Union, Stainless Steel Schedule 40 Type 316.....	80.18	26.27
				<i>For Work In Restricted Working Space, Add</i>	15.74	
				EA 1" Union, Stainless Steel Schedule 40 Type 316.....	109.31	32.53
				<i>For Work In Restricted Working Space, Add</i>	19.52	
				EA 1-1/4" Union, Stainless Steel Schedule 40 Type 316.....	169.42	45.22
				<i>For Work In Restricted Working Space, Add</i>	27.11	
				EA 1-1/2" Union, Stainless Steel Schedule 40 Type 316.....	196.43	50.83
				<i>For Work In Restricted Working Space, Add</i>	30.50	
				EA 2" Union, Stainless Steel Schedule 40 Type 316.....	260.75	67.74
				<i>For Work In Restricted Working Space, Add</i>	40.67	
40 05 23 43-0799 Flanges <small>(40 05 23 43-0742)</small>						
				EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316.....	242.24	67.74
				<i>For Work In Restricted Working Space, Add</i>	40.67	
				EA 3" Flange, Stainless Steel Schedule 40 Type 316.....	293.47	87.42
				<i>For Work In Restricted Working Space, Add</i>	52.47	
				EA 4" Flange, Stainless Steel Schedule 40 Type 316.....	386.08	108.41
				<i>For Work In Restricted Working Space, Add</i>	65.06	
40 05 23 43-0803 Caps <small>(40 05 23 43-0742)</small>						
				EA 1/2" Cap, Stainless Steel Schedule 40 Type 316.....	17.05	6.59
				<i>For Work In Restricted Working Space, Add</i>	3.93	
				EA 3/4" Cap, Stainless Steel Schedule 40 Type 316.....	23.22	8.78
				<i>For Work In Restricted Working Space, Add</i>	5.24	
				EA 1" Cap, Stainless Steel Schedule 40 Type 316.....	30.10	10.82
				<i>For Work In Restricted Working Space, Add</i>	6.50	
				EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316.....	52.75	15.37
				<i>For Work In Restricted Working Space, Add</i>	9.21	
				EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	60.10	17.32
				<i>For Work In Restricted Working Space, Add</i>	10.38	
				EA 2" Cap, Stainless Steel Schedule 40 Type 316.....	76.27	21.96
				<i>For Work In Restricted Working Space, Add</i>	13.19	
				EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316.....	117.09	32.53
				<i>For Work In Restricted Working Space, Add</i>	19.52	
				EA 3" Cap, Stainless Steel Schedule 40 Type 316.....	157.50	42.78
				<i>For Work In Restricted Working Space, Add</i>	25.68	
				EA 4" Cap, Stainless Steel Schedule 40 Type 316.....	241.32	54.25
				<i>For Work In Restricted Working Space, Add</i>	32.53	
40 05 23 43-0813 Type 316 Schedule 5 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>						
40 05 23 43-0814 Pipe <small>(40 05 23 43-0813)</small>						
				LF 1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	14.93	3.41
				<i>For Work In Restricted Working Space, Add</i>	2.05	
				LF 3/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	17.66	4.18
				<i>For Work In Restricted Working Space, Add</i>	2.50	
				LF 1" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	21.06	4.93
				<i>For Work In Restricted Working Space, Add</i>	2.94	
				LF 1-1/4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	25.09	6.15
				<i>For Work In Restricted Working Space, Add</i>	3.67	
				LF 1-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	28.63	6.90
				<i>For Work In Restricted Working Space, Add</i>	4.14	
				LF 2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	35.69	8.57
				<i>For Work In Restricted Working Space, Add</i>	5.12	
				LF 2-1/2" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	45.41	9.78
				<i>For Work In Restricted Working Space, Add</i>	5.86	
				LF 3" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	53.20	10.99
				<i>For Work In Restricted Working Space, Add</i>	6.59	
				LF 4" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	65.90	13.05
				<i>For Work In Restricted Working Space, Add</i>	7.81	
				LF 6" Pipe, Stainless Steel Schedule 5 Type 316 For Butt Weld Fitting.....	108.13	17.14
				<i>For Work In Restricted Working Space, Add</i>	10.25	
				LF 8" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	178.75	30.58
				<i>For Work In Restricted Working Space, Add</i>	19.65	
				LF 10" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	231.51	33.62
				<i>For Work In Restricted Working Space, Add</i>	21.61	
				LF 12" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	265.18	37.38
				<i>For Work In Restricted Working Space, Add</i>	24.01	
				LF 14" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	327.84	42.03
				<i>For Work In Restricted Working Space, Add</i>	27.02	
				LF 16" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	360.29	48.03
				<i>For Work In Restricted Working Space, Add</i>	30.88	
				LF 18" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting.....	402.77	56.03
				<i>For Work In Restricted Working Space, Add</i>	36.02	

40 Process Interconnections
40 05 Common Work Results For Process Interconnections
40 05 23 Stainless Steel Process Pipe and Tubing



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0831	LF		20" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	541.41 43.23	67.24
40 05 23 43-0832	LF		24" Pipe, Stainless Steel Schedule 5 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	707.05 54.03	84.05
40 05 23 43-0833 90 Degree Elbows <small>(40 05 23 43-0813)</small>					
40 05 23 43-0834	EA		1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	104.37 25.94	43.23
40 05 23 43-0835	EA		3/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	110.61 27.53	45.89
40 05 23 43-0836	EA		1" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.35 30.26	50.44
40 05 23 43-0837	EA		1-1/4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	142.77 32.99	54.98
40 05 23 43-0838	EA		1-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	146.99 36.37	60.68
40 05 23 43-0839	EA		2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	169.59 40.51	67.50
40 05 23 43-0840	EA		2-1/2" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	221.86 51.80	86.46
40 05 23 43-0841	EA		3" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	264.21 60.64	101.24
40 05 23 43-0842	EA		4" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	356.91 72.65	121.34
40 05 23 43-0843	EA		6" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	630.78 90.87	151.68
40 05 23 43-0844	EA		8" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,072.01 154.38	240.14
40 05 23 43-0845	EA		10" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,833.76 205.84	320.19
40 05 23 43-0846	EA		12" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,128.26 308.76	480.29
40 05 23 43-0847	EA		14" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,650.56 360.22	560.33
40 05 23 43-0848	EA		16" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,564.28 410.90	640.39
40 05 23 43-0849	EA		18" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,823.38 514.60	800.49
40 05 23 43-0850	EA		20" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	9,661.98 720.44	1,120.68
40 05 23 43-0851	EA		24" 90 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,384.58 1,029.19	1,600.97
40 05 23 43-0852 45 Degree Elbows <small>(40 05 23 43-0813)</small>					
40 05 23 43-0853	EA		1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.21 25.94	43.23
40 05 23 43-0854	EA		3/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	117.52 27.53	45.89
40 05 23 43-0855	EA		1" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	129.90 30.26	50.44
40 05 23 43-0856	EA		1-1/4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	159.09 32.97	54.98
40 05 23 43-0857	EA		1-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	147.74 36.42	60.68
40 05 23 43-0858	EA		2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	165.37 40.51	67.50
40 05 23 43-0859	EA		2-1/2" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	223.20 51.85	86.46
40 05 23 43-0860	EA		3" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	254.10 60.77	101.24
40 05 23 43-0861	EA		4" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	333.80 72.74	121.34
40 05 23 43-0862	EA		6" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	500.11 91.01	151.68
40 05 23 43-0863	EA		8" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	858.88 154.38	240.14
40 05 23 43-0864	EA		10" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,459.02 205.84	320.19
40 05 23 43-0865	EA		12" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,258.80 308.76	480.29
40 05 23 43-0866	EA		14" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,830.82 360.22	560.33
40 05 23 43-0867	EA		16" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,512.67 410.90	640.39
40 05 23 43-0868	EA		18" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,842.04 514.60	800.49
40 05 23 43-0869	EA		20" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,385.54 720.44	1,120.68
40 05 23 43-0870	EA		24" 45 Degree Elbow, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	11,311.82 1,029.19	1,600.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0871 Tees <small>(40 05 23 43-0813)</small>		
40 05 23 43-0872 EA 1/2" Tees, Stainless Steel Schedule 5 Type 316.....	182.49	54.98
<i>For Work In Restricted Working Space, Add</i>	<i>32.96</i>	
40 05 23 43-0873 EA 3/4" Tees, Stainless Steel Schedule 5 Type 316.....	207.50	67.50
<i>For Work In Restricted Working Space, Add</i>	<i>40.47</i>	
40 05 23 43-0874 EA 1" Tees, Stainless Steel Schedule 5 Type 316.....	220.65	75.85
<i>For Work In Restricted Working Space, Add</i>	<i>45.47</i>	
40 05 23 43-0875 EA 1-1/4" Tees, Stainless Steel Schedule 5 Type 316.....	291.12	86.46
<i>For Work In Restricted Working Space, Add</i>	<i>51.85</i>	
40 05 23 43-0876 EA 1-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	254.61	92.90
<i>For Work In Restricted Working Space, Add</i>	<i>55.66</i>	
40 05 23 43-0877 EA 2" Tees, Stainless Steel Schedule 5 Type 316.....	274.97	101.24
<i>For Work In Restricted Working Space, Add</i>	<i>60.71</i>	
40 05 23 43-0878 EA 2-1/2" Tees, Stainless Steel Schedule 5 Type 316.....	448.57	121.34
<i>For Work In Restricted Working Space, Add</i>	<i>72.74</i>	
40 05 23 43-0879 EA 3" Tees, Stainless Steel Schedule 5 Type 316.....	438.53	151.68
<i>For Work In Restricted Working Space, Add</i>	<i>91.16</i>	
40 05 23 43-0880 EA 4" Tees, Stainless Steel Schedule 5 Type 316.....	530.72	170.64
<i>For Work In Restricted Working Space, Add</i>	<i>102.30</i>	
40 05 23 43-0881 EA 6" Tees, Stainless Steel Schedule 5 Type 316.....	1,028.51	227.53
<i>For Work In Restricted Working Space, Add</i>	<i>136.41</i>	
40 05 23 43-0882 EA 8" Tee, Stainless Steel Schedule 5 Type 316.....	1,997.71	320.19
<i>For Work In Restricted Working Space, Add</i>	<i>205.84</i>	
40 05 23 43-0883 EA 10" Tee, Stainless Steel Schedule 5 Type 316.....	3,090.25	480.29
<i>For Work In Restricted Working Space, Add</i>	<i>308.76</i>	
40 05 23 43-0884 EA 12" Tee, Stainless Steel Schedule 5 Type 316.....	3,921.37	600.37
<i>For Work In Restricted Working Space, Add</i>	<i>385.95</i>	
40 05 23 43-0885 EA 14" Tee, Stainless Steel Schedule 5 Type 316.....	4,995.92	720.43
<i>For Work In Restricted Working Space, Add</i>	<i>463.80</i>	
40 05 23 43-0886 EA 16" Tee, Stainless Steel Schedule 5 Type 316.....	5,567.74	880.53
<i>For Work In Restricted Working Space, Add</i>	<i>565.79</i>	
40 05 23 43-0887 EA 18" Tee, Stainless Steel Schedule 5 Type 316.....	6,792.90	1,120.68
<i>For Work In Restricted Working Space, Add</i>	<i>720.44</i>	
40 05 23 43-0888 EA 20" Tee, Stainless Steel Schedule 5 Type 316.....	10,373.48	1,480.90
<i>For Work In Restricted Working Space, Add</i>	<i>947.94</i>	
40 05 23 43-0889 EA 24" Tee, Stainless Steel Schedule 5 Type 316.....	15,911.50	2,241.36
<i>For Work In Restricted Working Space, Add</i>	<i>1,440.87</i>	
40 05 23 43-0890 Reducers <small>(40 05 23 43-0813)</small>		
40 05 23 43-0891 EA 3/4" Reducer, Stainless Steel Schedule 5 Type 316.....	118.34	41.71
<i>For Work In Restricted Working Space, Add</i>	<i>25.05</i>	
40 05 23 43-0892 EA 1" Reducer, Stainless Steel Schedule 5 Type 316.....	131.24	45.51
<i>For Work In Restricted Working Space, Add</i>	<i>27.30</i>	
40 05 23 43-0893 EA 1-1/4" Reducer, Stainless Steel Schedule 5 Type 316.....	163.68	50.44
<i>For Work In Restricted Working Space, Add</i>	<i>30.26</i>	
40 05 23 43-0894 EA 1-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	136.81	54.98
<i>For Work In Restricted Working Space, Add</i>	<i>32.97</i>	
40 05 23 43-0895 EA 2" Reducer, Stainless Steel Schedule 5 Type 316.....	150.53	60.68
<i>For Work In Restricted Working Space, Add</i>	<i>36.42</i>	
40 05 23 43-0896 EA 2-1/2" Reducer, Stainless Steel Schedule 5 Type 316.....	195.85	75.85
<i>For Work In Restricted Working Space, Add</i>	<i>45.50</i>	
40 05 23 43-0897 EA 3" Reducer, Stainless Steel Schedule 5 Type 316.....	216.39	86.46
<i>For Work In Restricted Working Space, Add</i>	<i>51.80</i>	
40 05 23 43-0898 EA 4" Reducer, Stainless Steel Schedule 5 Type 316.....	251.68	101.24
<i>For Work In Restricted Working Space, Add</i>	<i>60.71</i>	
40 05 23 43-0899 EA 6" Reducer, Stainless Steel Schedule 5 Type 316.....	324.86	128.93
<i>For Work In Restricted Working Space, Add</i>	<i>77.28</i>	
40 05 23 43-0900 EA 8" Reducer, Stainless Steel Schedule 5 Type 316.....	719.95	192.12
<i>For Work In Restricted Working Space, Add</i>	<i>123.50</i>	
40 05 23 43-0901 EA 10" Reducer, Stainless Steel Schedule 5 Type 316.....	943.34	240.14
<i>For Work In Restricted Working Space, Add</i>	<i>154.38</i>	
40 05 23 43-0902 EA 12" Reducer, Stainless Steel Schedule 5 Type 316.....	1,253.79	320.19
<i>For Work In Restricted Working Space, Add</i>	<i>205.84</i>	
40 05 23 43-0903 EA 14" Reducer, Stainless Steel Schedule 5 Type 316.....	1,666.14	420.25
<i>For Work In Restricted Working Space, Add</i>	<i>270.16</i>	
40 05 23 43-0904 EA 16" Reducer, Stainless Steel Schedule 5 Type 316.....	1,980.53	480.29
<i>For Work In Restricted Working Space, Add</i>	<i>307.88</i>	
40 05 23 43-0905 EA 18" Reducer, Stainless Steel Schedule 5 Type 316.....	2,461.95	600.37
<i>For Work In Restricted Working Space, Add</i>	<i>385.95</i>	
40 05 23 43-0906 EA 20" Reducer, Stainless Steel Schedule 5 Type 316.....	3,750.51	800.49
<i>For Work In Restricted Working Space, Add</i>	<i>514.60</i>	
40 05 23 43-0907 EA 24" Reducer, Stainless Steel Schedule 5 Type 316.....	5,890.07	1,200.72
<i>For Work In Restricted Working Space, Add</i>	<i>771.89</i>	
40 05 23 43-0908 Weld Neck Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0909 EA 1/2" Flanges, Stainless Steel Schedule 5 Type 316.....	68.93	17.45
<i>For Work In Restricted Working Space, Add</i>	<i>10.47</i>	
40 05 23 43-0910 EA 3/4" Flanges, Stainless Steel Schedule 5 Type 316.....	71.97	18.96
<i>For Work In Restricted Working Space, Add</i>	<i>11.38</i>	
40 05 23 43-0911 EA 1" Flanges, Stainless Steel Schedule 5 Type 316.....	84.88	25.41
<i>For Work In Restricted Working Space, Add</i>	<i>15.25</i>	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0912 EA 1-1/4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	95.08 15.92	26.54
40 05 23 43-0913 EA 1-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	110.61 18.20	30.34
40 05 23 43-0914 EA 2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	132.90 20.46	34.13
40 05 23 43-0915 EA 2-1/2" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	181.39 26.17	43.61
40 05 23 43-0916 EA 3" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	199.54 30.24	50.44
40 05 23 43-0917 EA 4" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	273.82 40.95	68.26
40 05 23 43-0918 EA 6" Flanges, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	415.69 60.71	101.24
40 05 23 43-0919 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	792.21 77.19	120.08
40 05 23 43-0920 EA 10" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,226.60 90.05	140.08
40 05 23 43-0921 EA 12" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,711.04 102.92	160.10
40 05 23 43-0922 EA 14" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,273.42 128.65	200.12
40 05 23 43-0923 EA 16" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,050.91 154.38	240.14
40 05 23 43-0924 EA 18" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,158.87 180.11	280.17
40 05 23 43-0925 EA 20" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,370.92 218.76	340.21
40 05 23 43-0926 EA 24" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	9,916.81 282.89	440.27
40 05 23 43-0927 Slip-On Flanges <small>(40 05 23 43-0813)</small>		
40 05 23 43-0928 EA 1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	111.29 22.76	37.92
40 05 23 43-0929 EA 3/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	116.07 22.76	37.92
40 05 23 43-0930 EA 1" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	136.43 27.99	46.64
40 05 23 43-0931 EA 1-1/4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	150.79 30.26	50.44
40 05 23 43-0932 EA 1-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	168.63 33.23	55.37
40 05 23 43-0933 EA 2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	198.40 36.37	60.68
40 05 23 43-0934 EA 2-1/2" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	247.71 40.95	68.26
40 05 23 43-0935 EA 3" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	270.72 45.47	75.85
40 05 23 43-0936 EA 4" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	370.04 60.97	101.63
40 05 23 43-0937 EA 6" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	561.61 90.87	151.68
40 05 23 43-0938 EA 8" Flange, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,720.80 154.38	240.14
40 05 23 43-0939 Caps <small>(40 05 23 43-0813)</small>		
40 05 23 43-0940 EA 1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	57.51 10.47	17.45
40 05 23 43-0941 EA 3/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	63.69 11.38	18.96
40 05 23 43-0942 EA 1" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	79.42 15.02	25.03
40 05 23 43-0943 EA 1-1/4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	85.95 15.92	26.54
40 05 23 43-0944 EA 1-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	95.90 18.20	30.34
40 05 23 43-0945 EA 2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	104.59 20.46	34.13
40 05 23 43-0946 EA 2-1/2" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	129.48 26.17	43.61
40 05 23 43-0947 EA 3" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	147.76 30.24	50.44
40 05 23 43-0948 EA 4" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	217.12 40.49	67.50
40 05 23 43-0949 EA 6" Cap, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	286.88 60.71	101.24
40 05 23 43-0950 Reducing Tees <small>(40 05 23 43-0813)</small>		
40 05 23 43-0951 EA 3/4" Reducing Tees, Stainless Steel Schedule 5 Type 316 <i>For Work In Restricted Working Space, Add</i>	157.14 27.54	54.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0952 EA 1" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	177.85 33.75	67.50
40 05 23 43-0953 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	213.89 37.92	75.85
40 05 23 43-0954 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	207.47 43.23	86.46
40 05 23 43-0955 EA 2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	226.49 46.46	92.90
40 05 23 43-0956 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	347.85 50.63	101.24
40 05 23 43-0957 EA 3" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	326.25 60.68	121.34
40 05 23 43-0958 EA 4" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	431.90 75.84	151.68
40 05 23 43-0959 EA 6" Reducing Tees, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	826.17 86.66	173.30
40 05 23 43-0960 EA 8" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,553.73 128.65	240.14
40 05 23 43-0961 EA 10" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,528.12 171.53	320.19
40 05 23 43-0962 EA 12" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,359.58 257.30	480.29
40 05 23 43-0963 EA 14" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,295.55 309.11	577.14
40 05 23 43-0964 EA 16" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,753.48 377.06	704.02
40 05 23 43-0965 EA 18" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,775.43 480.29	896.54
40 05 23 43-0966 EA 20" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,953.75 631.96	1,179.51
40 05 23 43-0967 EA 24" Reducing Tee, Stainless Steel Schedule 5 Type 316..... <i>For Work In Restricted Working Space, Add</i>	13,749.59 959.73	1,792.28
40 05 23 43-0968 Type 316 Schedule 10 Pipe And Welded Butt Fittings (40 05 23 43-0968)		
40 05 23 43-0969 Pipe (40 05 23 43-0968)		
40 05 23 43-0970 LF 1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	14.84 2.05	3.41
40 05 23 43-0971 LF 3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	17.61 2.50	4.18
40 05 23 43-0972 LF 1" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	23.59 2.94	4.93
40 05 23 43-0973 LF 1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.74 3.67	6.15
40 05 23 43-0974 LF 1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	31.94 4.14	6.90
40 05 23 43-0975 LF 2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	39.49 5.12	8.57
40 05 23 43-0976 LF 2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	47.40 5.86	9.78
40 05 23 43-0977 LF 3" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	56.15 6.59	10.99
40 05 23 43-0978 LF 4" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	70.85 7.81	13.05
40 05 23 43-0979 LF 6" Pipe, Stainless Steel Schedule 10 Type 316 For Butt Weld Fitting..... <i>For Work In Restricted Working Space, Add</i>	104.14 10.25	17.14
40 05 23 43-0980 LF 8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	172.65 19.65	30.58
40 05 23 43-0981 LF 10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	222.92 21.61	33.62
40 05 23 43-0982 LF 12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	268.10 24.01	37.38
40 05 23 43-0983 LF 14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	331.60 27.02	42.03
40 05 23 43-0984 LF 16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	364.34 30.88	48.03
40 05 23 43-0985 LF 18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	407.22 36.02	56.03
40 05 23 43-0986 LF 20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	570.09 43.23	67.24
40 05 23 43-0987 LF 24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting..... <i>For Work In Restricted Working Space, Add</i>	745.10 54.03	84.05
40 05 23 43-0988 90 Degree Elbows (40 05 23 43-0988)		
40 05 23 43-0989 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	100.84 25.94	43.23
40 05 23 43-0990 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	106.15 27.53	45.89
40 05 23 43-0991 EA 1" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.26 30.26	50.44
40 05 23 43-0992 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316..... <i>For Work In Restricted Working Space, Add</i>	130.95 33.00	54.98

40 Process Interconnections

40 05 Common Work Results For Process Interconnections

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-0993 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	148.02	60.68
For Work In Restricted Working Space, Add	36.38	
40 05 23 43-0994 EA 2" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	163.18	67.50
For Work In Restricted Working Space, Add	40.52	
40 05 23 43-0995 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	212.56	86.46
For Work In Restricted Working Space, Add	51.82	
40 05 23 43-0996 EA 3" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	252.42	101.24
For Work In Restricted Working Space, Add	60.67	
40 05 23 43-0997 EA 4" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	336.02	121.34
For Work In Restricted Working Space, Add	72.69	
40 05 23 43-0998 EA 6" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	570.46	151.68
For Work In Restricted Working Space, Add	90.82	
40 05 23 43-0999 EA 8" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	1,125.44	240.14
For Work In Restricted Working Space, Add	154.38	
40 05 23 43-1000 EA 10" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	1,819.34	320.19
For Work In Restricted Working Space, Add	205.84	
40 05 23 43-1001 EA 12" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	2,806.96	480.29
For Work In Restricted Working Space, Add	308.76	
40 05 23 43-1002 EA 14" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	3,604.92	560.33
For Work In Restricted Working Space, Add	360.22	
40 05 23 43-1003 EA 16" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	4,503.98	640.39
For Work In Restricted Working Space, Add	410.90	
40 05 23 43-1004 EA 18" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	5,741.21	800.49
For Work In Restricted Working Space, Add	514.60	
40 05 23 43-1005 EA 20" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	9,533.25	1,120.68
For Work In Restricted Working Space, Add	720.44	
40 05 23 43-1006 EA 24" 90 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	13,195.78	1,600.97
For Work In Restricted Working Space, Add	1,029.19	
40 05 23 43-1007 45 Degree Elbows (40 05 23 43-0968)		
40 05 23 43-1008 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	106.74	43.23
For Work In Restricted Working Space, Add	25.94	
40 05 23 43-1009 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	112.05	45.89
For Work In Restricted Working Space, Add	27.53	
40 05 23 43-1010 EA 1" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	121.16	50.44
For Work In Restricted Working Space, Add	30.26	
40 05 23 43-1011 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	132.64	54.98
For Work In Restricted Working Space, Add	32.98	
40 05 23 43-1012 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	144.61	60.68
For Work In Restricted Working Space, Add	36.42	
40 05 23 43-1013 EA 2" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	173.67	67.50
For Work In Restricted Working Space, Add	40.52	
40 05 23 43-1014 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 10, Type 316.....	211.77	86.46
For Work In Restricted Working Space, Add	51.86	
40 05 23 43-1015 EA 3" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	243.02	101.24
For Work In Restricted Working Space, Add	60.74	
40 05 23 43-1016 EA 4" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	313.88	121.34
For Work In Restricted Working Space, Add	72.76	
40 05 23 43-1017 EA 6" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	455.82	151.68
For Work In Restricted Working Space, Add	91.01	
40 05 23 43-1018 EA 8" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	981.15	240.14
For Work In Restricted Working Space, Add	154.38	
40 05 23 43-1019 EA 10" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	1,454.69	320.19
For Work In Restricted Working Space, Add	205.84	
40 05 23 43-1020 EA 12" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	2,255.12	480.29
For Work In Restricted Working Space, Add	308.76	
40 05 23 43-1021 EA 14" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	2,825.99	560.33
For Work In Restricted Working Space, Add	360.22	
40 05 23 43-1022 EA 16" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	3,505.71	640.39
For Work In Restricted Working Space, Add	410.90	
40 05 23 43-1023 EA 18" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	4,832.88	800.49
For Work In Restricted Working Space, Add	514.60	
40 05 23 43-1024 EA 20" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	8,373.15	1,120.68
For Work In Restricted Working Space, Add	720.44	
40 05 23 43-1025 EA 24" 45 Degree Elbow, Stainless Steel Schedule 10 Type 316.....	11,286.03	1,600.97
For Work In Restricted Working Space, Add	1,029.19	
40 05 23 43-1026 Tees (40 05 23 43-0968)		
40 05 23 43-1027 EA 1/2" Tees, Stainless Steel Schedule 10 Type 316.....	158.15	54.98
For Work In Restricted Working Space, Add	32.96	
40 05 23 43-1028 EA 3/4" Tees, Stainless Steel Schedule 10 Type 316.....	183.16	67.50
For Work In Restricted Working Space, Add	40.47	
40 05 23 43-1029 EA 1" Tees, Stainless Steel Schedule 10 Type 316.....	199.83	75.85
For Work In Restricted Working Space, Add	45.47	
40 05 23 43-1030 EA 1-1/4" Tees, Stainless Steel Schedule 10 Type 316.....	226.02	86.46
For Work In Restricted Working Space, Add	51.88	
40 05 23 43-1031 EA 1-1/2" Tees, Stainless Steel Schedule 10 Type 316.....	240.30	92.90
For Work In Restricted Working Space, Add	55.68	
40 05 23 43-1032 EA 2" Tees, Stainless Steel Schedule 10 Type 316.....	287.65	101.24
For Work In Restricted Working Space, Add	60.71	
40 05 23 43-1033 EA 2-1/2" Tees, Stainless Steel Schedule 10 Type 316.....	347.10	121.34
For Work In Restricted Working Space, Add	72.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1034 EA 3" Tees, Stainless Steel Schedule 10 Type 316.....	451.77	151.68
<i>For Work In Restricted Working Space, Add</i>	<i>91.13</i>	
40 05 23 43-1035 EA 4" Tees, Stainless Steel Schedule 10 Type 316.....	501.85	170.64
<i>For Work In Restricted Working Space, Add</i>	<i>102.29</i>	
40 05 23 43-1036 EA 6" Tees, Stainless Steel Schedule 10 Type 316.....	902.31	227.53
<i>For Work In Restricted Working Space, Add</i>	<i>136.51</i>	
40 05 23 43-1037 EA 8" Tee, Stainless Steel Schedule 10 Type 316.....	1,541.52	320.19
<i>For Work In Restricted Working Space, Add</i>	<i>205.84</i>	
40 05 23 43-1038 EA 10" Tee, Stainless Steel Schedule 10 Type 316.....	2,257.84	480.29
<i>For Work In Restricted Working Space, Add</i>	<i>308.76</i>	
40 05 23 43-1039 EA 12" Tee, Stainless Steel Schedule 10 Type 316.....	3,948.55	600.37
<i>For Work In Restricted Working Space, Add</i>	<i>385.95</i>	
40 05 23 43-1040 EA 14" Tee, Stainless Steel Schedule 10 Type 316.....	5,033.97	720.43
<i>For Work In Restricted Working Space, Add</i>	<i>463.80</i>	
40 05 23 43-1041 EA 16" Tee, Stainless Steel Schedule 10 Type 316.....	5,606.00	880.53
<i>For Work In Restricted Working Space, Add</i>	<i>565.79</i>	
40 05 23 43-1042 EA 18" Tee, Stainless Steel Schedule 10 Type 316.....	6,838.21	1,120.68
<i>For Work In Restricted Working Space, Add</i>	<i>720.44</i>	
40 05 23 43-1043 EA 20" Tee, Stainless Steel Schedule 10 Type 316.....	10,448.63	1,480.90
<i>For Work In Restricted Working Space, Add</i>	<i>947.94</i>	
40 05 23 43-1044 EA 24" Tee, Stainless Steel Schedule 10 Type 316.....	16,026.64	2,241.36
<i>For Work In Restricted Working Space, Add</i>	<i>1,440.87</i>	
40 05 23 43-1045 Reducers <small>(40 05 23 43-0968)</small>		
40 05 23 43-1046 EA 3/4" Reducer, Stainless Steel Schedule 10 Type 316.....	120.17	41.71
<i>For Work In Restricted Working Space, Add</i>	<i>25.05</i>	
40 05 23 43-1047 EA 1" Reducer, Stainless Steel Schedule 10 Type 316.....	133.36	45.51
<i>For Work In Restricted Working Space, Add</i>	<i>27.30</i>	
40 05 23 43-1048 EA 1-1/4" Reducer, Stainless Steel Schedule 10 Type 316.....	166.99	50.44
<i>For Work In Restricted Working Space, Add</i>	<i>30.26</i>	
40 05 23 43-1049 EA 1-1/2" Reducer, Stainless Steel Schedule 10 Type 316.....	138.21	54.98
<i>For Work In Restricted Working Space, Add</i>	<i>32.97</i>	
40 05 23 43-1050 EA 2" Reducer, Stainless Steel Schedule 10 Type 316.....	152.03	60.68
<i>For Work In Restricted Working Space, Add</i>	<i>36.41</i>	
40 05 23 43-1051 EA 2-1/2" Reducer, Stainless Steel Schedule 10 Type 316.....	198.16	75.85
<i>For Work In Restricted Working Space, Add</i>	<i>45.50</i>	
40 05 23 43-1052 EA 3" Reducer, Stainless Steel Schedule 10 Type 316.....	218.73	86.46
<i>For Work In Restricted Working Space, Add</i>	<i>51.81</i>	
40 05 23 43-1053 EA 4" Reducer, Stainless Steel Schedule 10 Type 316.....	254.28	101.24
<i>For Work In Restricted Working Space, Add</i>	<i>60.71</i>	
40 05 23 43-1054 EA 6" Reducer, Stainless Steel Schedule 10 Type 316.....	328.44	128.93
<i>For Work In Restricted Working Space, Add</i>	<i>77.30</i>	
40 05 23 43-1055 EA 8" Reducer, Stainless Steel Schedule 10 Type 316.....	736.18	192.12
<i>For Work In Restricted Working Space, Add</i>	<i>123.50</i>	
40 05 23 43-1056 EA 10" Reducer, Stainless Steel Schedule 10 Type 316.....	965.91	240.14
<i>For Work In Restricted Working Space, Add</i>	<i>154.38</i>	
40 05 23 43-1057 EA 12" Reducer, Stainless Steel Schedule 10 Type 316.....	1,283.66	320.19
<i>For Work In Restricted Working Space, Add</i>	<i>205.84</i>	
40 05 23 43-1058 EA 14" Reducer, Stainless Steel Schedule 10 Type 316.....	1,706.43	420.25
<i>For Work In Restricted Working Space, Add</i>	<i>270.16</i>	
40 05 23 43-1059 EA 16" Reducer, Stainless Steel Schedule 10 Type 316.....	2,031.64	480.29
<i>For Work In Restricted Working Space, Add</i>	<i>308.14</i>	
40 05 23 43-1060 EA 18" Reducer, Stainless Steel Schedule 10 Type 316.....	2,523.82	600.37
<i>For Work In Restricted Working Space, Add</i>	<i>385.95</i>	
40 05 23 43-1061 EA 20" Reducer, Stainless Steel Schedule 10 Type 316.....	3,857.63	800.49
<i>For Work In Restricted Working Space, Add</i>	<i>514.60</i>	
40 05 23 43-1062 EA 24" Reducer, Stainless Steel Schedule 10 Type 316.....	6,064.65	1,200.72
<i>For Work In Restricted Working Space, Add</i>	<i>771.89</i>	
40 05 23 43-1063 Flanges <small>(40 05 23 43-0968)</small>		
40 05 23 43-1064 EA 1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	70.72	17.45
<i>For Work In Restricted Working Space, Add</i>	<i>10.47</i>	
40 05 23 43-1065 EA 3/4" Flanges, Stainless Steel Schedule 10 Type 316.....	73.76	18.96
<i>For Work In Restricted Working Space, Add</i>	<i>11.38</i>	
40 05 23 43-1066 EA 1" Flanges, Stainless Steel Schedule 10 Type 316.....	86.66	25.41
<i>For Work In Restricted Working Space, Add</i>	<i>15.25</i>	
40 05 23 43-1067 EA 1-1/4" Flanges, Stainless Steel Schedule 10 Type 316.....	97.29	26.54
<i>For Work In Restricted Working Space, Add</i>	<i>15.92</i>	
40 05 23 43-1068 EA 1-1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	113.24	30.34
<i>For Work In Restricted Working Space, Add</i>	<i>18.20</i>	
40 05 23 43-1069 EA 2" Flanges, Stainless Steel Schedule 10 Type 316.....	136.31	34.13
<i>For Work In Restricted Working Space, Add</i>	<i>20.46</i>	
40 05 23 43-1070 EA 2-1/2" Flanges, Stainless Steel Schedule 10 Type 316.....	186.35	43.61
<i>For Work In Restricted Working Space, Add</i>	<i>26.17</i>	
40 05 23 43-1071 EA 3" Flanges, Stainless Steel Schedule 10 Type 316.....	204.74	50.44
<i>For Work In Restricted Working Space, Add</i>	<i>30.24</i>	
40 05 23 43-1072 EA 4" Flanges, Stainless Steel Schedule 10 Type 316.....	281.07	68.26
<i>For Work In Restricted Working Space, Add</i>	<i>40.96</i>	
40 05 23 43-1073 EA 6" Flanges, Stainless Steel Schedule 10 Type 316.....	426.87	101.24
<i>For Work In Restricted Working Space, Add</i>	<i>60.69</i>	
40 05 23 43-1074 EA 8" Flange, Stainless Steel Schedule 10 Type 316.....	820.37	120.08
<i>For Work In Restricted Working Space, Add</i>	<i>77.19</i>	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1075 EA 10" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,275.36 90.05	140.08
40 05 23 43-1076 EA 12" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,783.04 102.92	160.10
40 05 23 43-1077 EA 14" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	2,370.51 128.65	200.12
40 05 23 43-1078 EA 16" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,184.40 154.38	240.14
40 05 23 43-1079 EA 18" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	3,293.53 180.11	280.17
40 05 23 43-1080 EA 20" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	4,562.59 218.76	340.21
40 05 23 43-1081 EA 24" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	10,389.11 282.89	440.27
40 05 23 43-1082 Slip-On Flanges (40 05 23 43-0968)		
40 05 23 43-1083 EA 1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	113.16 22.76	37.92
40 05 23 43-1084 EA 3/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	118.18 22.76	37.92
40 05 23 43-1085 EA 1" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	138.70 27.99	46.64
40 05 23 43-1086 EA 1-1/4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	153.41 30.26	50.44
40 05 23 43-1087 EA 1-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	171.67 33.22	55.37
40 05 23 43-1088 EA 2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	202.50 36.38	60.68
40 05 23 43-1089 EA 2-1/2" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	253.58 40.96	68.26
40 05 23 43-1090 EA 3" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	277.01 45.47	75.85
40 05 23 43-1091 EA 4" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	378.86 60.98	101.63
40 05 23 43-1092 EA 6" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	575.42 90.92	151.68
40 05 23 43-1093 EA 8" Flange, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	1,784.29 154.38	240.14
40 05 23 43-1094 Caps (40 05 23 43-0968)		
40 05 23 43-1095 EA 1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	58.70 10.47	17.45
40 05 23 43-1096 EA 3/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	65.04 11.38	18.96
40 05 23 43-1097 EA 1" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	80.96 15.02	25.03
40 05 23 43-1098 EA 1-1/4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	87.68 15.92	26.54
40 05 23 43-1099 EA 1-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	97.75 18.20	30.34
40 05 23 43-1100 EA 2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	106.52 20.46	34.13
40 05 23 43-1101 EA 2-1/2" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	131.70 26.17	43.61
40 05 23 43-1102 EA 3" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	150.23 30.24	50.44
40 05 23 43-1103 EA 4" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	221.50 40.50	67.50
40 05 23 43-1104 EA 6" Cap, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	291.28 60.69	101.24
40 05 23 43-1105 Reducing Tees (40 05 23 43-0968)		
40 05 23 43-1106 EA 3/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	162.33 27.54	54.98
40 05 23 43-1107 EA 1" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	200.77 33.75	67.50
40 05 23 43-1108 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	223.62 37.92	75.85
40 05 23 43-1109 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	250.24 43.23	86.46
40 05 23 43-1110 EA 2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	279.44 46.46	92.90
40 05 23 43-1111 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	418.72 50.63	101.24
40 05 23 43-1112 EA 3" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	418.55 60.68	121.34
40 05 23 43-1113 EA 4" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	517.65 75.84	151.68
40 05 23 43-1114 EA 6" Reducing Tees, Stainless Steel Schedule 10 Type 316 <i>For Work In Restricted Working Space, Add</i>	942.43 86.66	173.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1115 EA 8" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,678.71 128.65	240.14
40 05 23 43-1116 EA 10" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,646.81 171.53	320.19
40 05 23 43-1117 EA 12" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,747.37 257.30	480.29
40 05 23 43-1118 EA 14" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,126.89 309.11	577.14
40 05 23 43-1119 EA 16" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	6,692.47 377.06	704.02
40 05 23 43-1120 EA 18" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	8,083.81 480.29	896.54
40 05 23 43-1121 EA 20" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	10,743.67 631.96	1,179.68
40 05 23 43-1122 EA 24" Reducing Tee, Stainless Steel Schedule 10 Type 316..... <i>For Work In Restricted Working Space, Add</i>	16,076.02 959.73	1,792.12
40 05 23 43-1123 Type 316 Schedule 40 Pipe And Welded Butt Fittings <small>(40 05 23 43-0231)</small>		
40 05 23 43-1124 Pipe <small>(40 05 23 43-1123)</small>		
40 05 23 43-1125 LF 1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	16.98 2.05	3.41
40 05 23 43-1126 LF 3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	20.60 2.50	4.18
40 05 23 43-1127 LF 1" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	25.36 2.94	4.93
40 05 23 43-1128 LF 1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	31.69 3.67	6.06
40 05 23 43-1129 LF 1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	36.58 4.14	6.83
40 05 23 43-1130 LF 2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	47.02 5.12	8.72
40 05 23 43-1131 LF 2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	58.77 5.86	9.86
40 05 23 43-1132 LF 3" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	56.53 6.59	10.99
40 05 23 43-1133 LF 4" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	95.90 7.81	12.89
40 05 23 43-1134 LF 6" Pipe, Stainless Steel Schedule 40 Type 316 For Butt Weld Fitting <i>For Work In Restricted Working Space, Add</i>	150.92 10.25	17.07
40 05 23 43-1135 LF 8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	265.64 19.65	30.42
40 05 23 43-1136 LF 10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	338.89 21.61	33.62
40 05 23 43-1137 LF 12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	424.72 24.01	37.23
40 05 23 43-1138 90 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1139 EA 1/2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	107.29 25.94	43.23
40 05 23 43-1140 EA 3/4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	112.60 27.53	45.89
40 05 23 43-1141 EA 1" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.53 30.26	50.44
40 05 23 43-1142 EA 1-1/4" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	145.38 33.00	54.98
40 05 23 43-1143 EA 1-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	150.76 36.38	60.68
40 05 23 43-1144 EA 2" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	174.42 40.52	67.50
40 05 23 43-1145 EA 2-1/2" 90 Degree Elbow, Stainless Steel Schedule 40, Type 316 <i>For Work In Restricted Working Space, Add</i>	254.70 51.82	86.46
40 05 23 43-1146 EA 3" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	313.47 60.67	101.24
40 05 23 43-1147 EA 4" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	439.05 72.69	121.34
40 05 23 43-1148 EA 6" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	958.52 90.82	151.68
40 05 23 43-1149 EA 8" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,615.38 154.38	240.14
40 05 23 43-1150 EA 10" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	3,016.52 205.84	320.19
40 05 23 43-1151 EA 12" 90 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,249.59 308.76	480.29
40 05 23 43-1152 45 Degree Elbows <small>(40 05 23 43-1123)</small>		
40 05 23 43-1153 EA 1/2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	115.96 25.94	43.23
40 05 23 43-1154 EA 3/4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	121.27 27.53	45.89

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1155 EA 1" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	130.38 30.26	50.44
40 05 23 43-1156 EA 1-1/4" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	139.44 32.98	54.98
40 05 23 43-1157 EA 1-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	160.75 36.42	60.68
40 05 23 43-1158 EA 2" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	176.41 40.52	67.50
40 05 23 43-1159 EA 2-1/2" 45 Degree Elbow, Stainless Steel Schedule 40, Type 316..... <i>For Work In Restricted Working Space, Add</i>	251.31 51.86	86.46
40 05 23 43-1160 EA 3" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	280.94 60.74	101.24
40 05 23 43-1161 EA 4" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	380.70 72.76	121.34
40 05 23 43-1162 EA 6" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	696.84 91.01	151.68
40 05 23 43-1163 EA 8" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,240.64 154.38	240.14
40 05 23 43-1164 EA 10" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,079.68 205.84	320.19
40 05 23 43-1165 EA 12" 45 Degree Elbow, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,832.62 308.76	480.29
40 05 23 43-1166 Tees <small>(40 05 23 43-1123)</small>		
40 05 23 43-1167 EA 1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	178.97 32.96	54.98
40 05 23 43-1168 EA 3/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	203.98 40.47	67.50
40 05 23 43-1169 EA 1" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	220.65 45.47	75.85
40 05 23 43-1170 EA 1-1/4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	284.17 51.88	86.46
40 05 23 43-1171 EA 1-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	254.68 55.68	92.90
40 05 23 43-1172 EA 2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	274.99 60.71	101.24
40 05 23 43-1173 EA 2-1/2" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	439.26 72.76	121.34
40 05 23 43-1174 EA 3" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	460.67 91.13	151.68
40 05 23 43-1175 EA 4" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	554.08 102.29	170.64
40 05 23 43-1176 EA 6" Tees, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,094.41 136.51	227.53
40 05 23 43-1177 EA 8" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	2,407.58 205.84	320.19
40 05 23 43-1178 EA 10" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	4,308.15 308.76	480.29
40 05 23 43-1179 EA 12" Tee, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	5,385.18 385.95	600.37
40 05 23 43-1180 Reducers <small>(40 05 23 43-1123)</small>		
40 05 23 43-1181 EA 3/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	124.57 25.05	41.71
40 05 23 43-1182 EA 1" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	138.44 27.30	45.51
40 05 23 43-1183 EA 1-1/4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	174.93 30.26	50.44
40 05 23 43-1184 EA 1-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	141.63 32.97	54.98
40 05 23 43-1185 EA 2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	155.75 36.42	60.68
40 05 23 43-1186 EA 2-1/2" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	203.76 45.50	75.85
40 05 23 43-1187 EA 3" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	224.22 51.80	86.46
40 05 23 43-1188 EA 4" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	260.51 60.71	101.24
40 05 23 43-1189 EA 6" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	336.90 77.28	128.93
40 05 23 43-1190 EA 8" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	775.11 123.50	192.12
40 05 23 43-1191 EA 10" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,020.06 154.38	240.14
40 05 23 43-1192 EA 12" Reducer, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,355.37 205.84	320.19
40 05 23 43-1193 Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1194 EA 1/2" Flanges, Stainless Steel Schedule 40 Type 316..... <i>For Work In Restricted Working Space, Add</i>	75.02 10.47	17.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1195 EA 3/4" Flanges, Stainless Steel Schedule 40 Type 316	78.06	18.96
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-1196 EA 1" Flanges, Stainless Steel Schedule 40 Type 316	90.96	25.41
<i>For Work In Restricted Working Space, Add</i>	15.25	
40 05 23 43-1197 EA 1-1/4" Flanges, Stainless Steel Schedule 40 Type 316	102.59	26.54
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-1198 EA 1-1/2" Flanges, Stainless Steel Schedule 40 Type 316	119.54	30.34
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-1199 EA 2" Flanges, Stainless Steel Schedule 40 Type 316	144.48	34.13
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-1200 EA 2-1/2" Flanges, Stainless Steel Schedule 40 Type 316	198.24	43.61
<i>For Work In Restricted Working Space, Add</i>	26.17	
40 05 23 43-1201 EA 3" Flanges, Stainless Steel Schedule 40 Type 316	217.21	50.44
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-1202 EA 4" Flanges, Stainless Steel Schedule 40 Type 316	298.41	68.26
<i>For Work In Restricted Working Space, Add</i>	40.96	
40 05 23 43-1203 EA 6" Flanges, Stainless Steel Schedule 40 Type 316	453.82	101.24
<i>For Work In Restricted Working Space, Add</i>	60.69	
40 05 23 43-1204 EA 8" Flange, Stainless Steel Schedule 40 Type 316	887.94	120.08
<i>For Work In Restricted Working Space, Add</i>	77.19	
40 05 23 43-1205 EA 10" Flange, Stainless Steel Schedule 40 Type 316	1,392.38	140.08
<i>For Work In Restricted Working Space, Add</i>	90.05	
40 05 23 43-1206 EA 12" Flange, Stainless Steel Schedule 40 Type 316	1,955.83	160.10
<i>For Work In Restricted Working Space, Add</i>	102.92	
 40 05 23 43-1207 Slip-On Flanges <small>(40 05 23 43-1123)</small>		
40 05 23 43-1208 EA 1/2" Flange, Stainless Steel Schedule 40 Type 316	117.63	37.92
<i>For Work In Restricted Working Space, Add</i>	22.76	
40 05 23 43-1209 EA 3/4" Flange, Stainless Steel Schedule 40 Type 316	123.26	37.92
<i>For Work In Restricted Working Space, Add</i>	22.76	
40 05 23 43-1210 EA 1" Flange, Stainless Steel Schedule 40 Type 316	144.15	46.64
<i>For Work In Restricted Working Space, Add</i>	27.99	
40 05 23 43-1211 EA 1-1/4" Flange, Stainless Steel Schedule 40 Type 316	159.71	50.44
<i>For Work In Restricted Working Space, Add</i>	30.26	
40 05 23 43-1212 EA 1-1/2" Flange, Stainless Steel Schedule 40 Type 316	178.98	55.37
<i>For Work In Restricted Working Space, Add</i>	33.22	
40 05 23 43-1213 EA 2" Flange, Stainless Steel Schedule 40 Type 316	212.24	60.68
<i>For Work In Restricted Working Space, Add</i>	36.38	
40 05 23 43-1214 EA 2-1/2" Flange, Stainless Steel Schedule 40 Type 316	267.63	68.26
<i>For Work In Restricted Working Space, Add</i>	40.96	
40 05 23 43-1215 EA 3" Flange, Stainless Steel Schedule 40 Type 316	292.06	75.85
<i>For Work In Restricted Working Space, Add</i>	45.47	
40 05 23 43-1216 EA 4" Flange, Stainless Steel Schedule 40 Type 316	399.93	101.63
<i>For Work In Restricted Working Space, Add</i>	60.98	
40 05 23 43-1217 EA 6" Flange, Stainless Steel Schedule 40 Type 316	608.10	151.68
<i>For Work In Restricted Working Space, Add</i>	90.92	
40 05 23 43-1218 EA 8" Flange, Stainless Steel Schedule 40 Type 316	1,936.65	240.14
<i>For Work In Restricted Working Space, Add</i>	154.38	
 40 05 23 43-1219 Caps <small>(40 05 23 43-1123)</small>		
40 05 23 43-1220 EA 1/2" Cap, Stainless Steel Schedule 40 Type 316	61.55	17.45
<i>For Work In Restricted Working Space, Add</i>	10.47	
40 05 23 43-1221 EA 3/4" Cap, Stainless Steel Schedule 40 Type 316	68.30	18.96
<i>For Work In Restricted Working Space, Add</i>	11.38	
40 05 23 43-1222 EA 1" Cap, Stainless Steel Schedule 40 Type 316	84.67	25.03
<i>For Work In Restricted Working Space, Add</i>	15.02	
40 05 23 43-1223 EA 1-1/4" Cap, Stainless Steel Schedule 40 Type 316	91.83	26.54
<i>For Work In Restricted Working Space, Add</i>	15.92	
40 05 23 43-1224 EA 1-1/2" Cap, Stainless Steel Schedule 40 Type 316	102.20	30.34
<i>For Work In Restricted Working Space, Add</i>	18.20	
40 05 23 43-1225 EA 2" Cap, Stainless Steel Schedule 40 Type 316	111.11	34.13
<i>For Work In Restricted Working Space, Add</i>	20.46	
40 05 23 43-1226 EA 2-1/2" Cap, Stainless Steel Schedule 40 Type 316	137.04	43.61
<i>For Work In Restricted Working Space, Add</i>	26.17	
40 05 23 43-1227 EA 3" Cap, Stainless Steel Schedule 40 Type 316	156.16	50.44
<i>For Work In Restricted Working Space, Add</i>	30.24	
40 05 23 43-1228 EA 4" Cap, Stainless Steel Schedule 40 Type 316	231.88	67.50
<i>For Work In Restricted Working Space, Add</i>	40.50	
40 05 23 43-1229 EA 6" Cap, Stainless Steel Schedule 40 Type 316	301.95	101.24
<i>For Work In Restricted Working Space, Add</i>	60.69	
 40 05 23 43-1230 Reducing Tees <small>(40 05 23 43-1123)</small>		
40 05 23 43-1231 EA 1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316	167.55	54.98
<i>For Work In Restricted Working Space, Add</i>	27.47	
40 05 23 43-1232 EA 3/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	188.38	67.50
<i>For Work In Restricted Working Space, Add</i>	33.71	
40 05 23 43-1233 EA 1" Reducing Tees, Stainless Steel Schedule 40 Type 316	202.31	75.85
<i>For Work In Restricted Working Space, Add</i>	37.89	
40 05 23 43-1234 EA 1-1/4" Reducing Tees, Stainless Steel Schedule 40 Type 316	266.42	86.46
<i>For Work In Restricted Working Space, Add</i>	43.21	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1235 EA 1-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	230.60	92.90
For Work In Restricted Working Space, Add	46.38	
40 05 23 43-1236 EA 2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	248.50	101.24
For Work In Restricted Working Space, Add	50.59	
40 05 23 43-1237 EA 2-1/2" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	418.46	121.34
For Work In Restricted Working Space, Add	60.62	
40 05 23 43-1238 EA 3" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	425.82	151.68
For Work In Restricted Working Space, Add	75.96	
40 05 23 43-1239 EA 4" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	518.62	170.64
For Work In Restricted Working Space, Add	85.25	
40 05 23 43-1240 EA 6" Reducing Tees, Stainless Steel Schedule 40 Type 316.....	1,082.24	227.53
For Work In Restricted Working Space, Add	113.67	
40 05 23 43-1241 EA 8" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	2,465.36	320.19
For Work In Restricted Working Space, Add	171.53	
40 05 23 43-1242 EA 10" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	4,464.50	480.29
For Work In Restricted Working Space, Add	257.30	
40 05 23 43-1243 EA 12" Reducing Tee, Stainless Steel Schedule 40 Type 316.....	5,580.63	600.37
For Work In Restricted Working Space, Add	321.62	
40 05 23 43-1244 Valves (40 05 23 43-0231)		
40 05 23 43-1245 Gate Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1246 EA 1/2" Gate Valve, Stainless Steel, Flanged.....	500.61	38.63
For Work In Restricted Working Space, Add	23.18	
For Class 200, Deduct	-113.24	
For Class 300, Add	397.94	
40 05 23 43-1247 EA 3/4" Gate Valve, Stainless Steel, Flanged.....	537.02	40.66
For Work In Restricted Working Space, Add	24.40	
For Class 200, Deduct	-121.90	
For Class 300, Add	428.35	
40 05 23 43-1248 EA 1" Gate Valve, Stainless Steel, Flanged.....	635.77	40.66
For Work In Restricted Working Space, Add	24.40	
For Class 200, Deduct	-148.31	
For Class 300, Add	521.17	
40 05 23 43-1249 EA 1-1/4" Gate Valve, Stainless Steel, Flanged.....	816.35	54.09
For Work In Restricted Working Space, Add	32.45	
For Class 200, Deduct	-189.44	
For Class 300, Add	665.68	
40 05 23 43-1250 EA 1-1/2" Gate Valve, Stainless Steel, Flanged.....	920.85	67.90
For Work In Restricted Working Space, Add	40.75	
For Class 200, Deduct	-210.00	
For Class 300, Add	737.93	
40 05 23 43-1251 EA 2" Gate Valve, Stainless Steel, Flanged.....	1,109.59	90.27
For Work In Restricted Working Space, Add	54.17	
For Class 200, Deduct	-248.51	
For Class 300, Add	873.28	
40 05 23 43-1252 EA 2-1/2" Gate Valve, Stainless Steel, Flanged.....	1,618.65	116.30
For Work In Restricted Working Space, Add	69.79	
For Class 300, Add	1,302.86	
40 05 23 43-1253 EA 3" Gate Valve, Stainless Steel, Flanged.....	1,824.70	135.41
For Work In Restricted Working Space, Add	81.22	
For Class 300, Add	1,460.73	
40 05 23 43-1254 EA 4" Gate Valve, Stainless Steel, Flanged.....	2,334.27	173.23
For Work In Restricted Working Space, Add	103.91	
For Class 300, Add	1,868.63	
40 05 23 43-1255 EA 6" Gate Valve, Stainless Steel, Flanged.....	3,862.08	203.32
For Work In Restricted Working Space, Add	121.99	
For Class 300, Add	3,248.11	
40 05 23 43-1256 EA 8" Gate Valve, Stainless Steel, Flanged.....	8,371.62	232.19
For Work In Restricted Working Space, Add	139.26	
For Class 300, Add	7,432.97	
40 05 23 43-1257 EA 10" Gate Valve, Stainless Steel, Flanged.....	11,807.56	284.65
For Work In Restricted Working Space, Add	170.86	
For Class 300, Add	10,563.75	
40 05 23 43-1258 EA 12" Gate Valve, Stainless Steel, Flanged.....	17,792.84	344.83
For Work In Restricted Working Space, Add	206.98	
For Class 300, Add	16,076.74	
40 05 23 43-1259 Globe Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1260 EA 1/2" Globe Valve, Stainless Steel, Flanged.....	675.26	38.63
For Work In Restricted Working Space, Add	23.17	
For Class 200, Deduct	-159.97	
For Class 300, Add	562.15	
40 05 23 43-1261 EA 3/4" Globe Valve, Stainless Steel, Flanged.....	740.02	40.66
For Work In Restricted Working Space, Add	24.40	
For Class 200, Deduct	-176.20	
For Class 300, Add	619.17	
40 05 23 43-1262 EA 1" Globe Valve, Stainless Steel, Flanged.....	900.07	42.69
For Work In Restricted Working Space, Add	25.61	
For Class 200, Deduct	-217.93	
For Class 300, Add	765.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 43-1263 EA 1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,349.15 40.73 -324.58 1,140.58	67.90
40 05 23 43-1264 EA 2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,662.62 54.17 -396.45 1,393.15	90.27
40 05 23 43-1265 EA 2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,352.67 69.76 2,932.94	116.30
40 05 23 43-1266 EA 3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,477.55 81.22 3,014.41	135.41
40 05 23 43-1267 EA 4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,073.20 103.91 3,503.22	173.23
40 05 23 43-1268 EA 6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,470.29 121.99 6,639.83	203.32
40 05 23 43-1269 Check Valves, Class 150 (40 05 23 43-1244)		
40 05 23 43-1270 EA 2-1/2" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,552.02 69.76 1,240.33	116.30
40 05 23 43-1271 EA 3" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	1,631.38 81.22 1,279.01	135.41
40 05 23 43-1272 EA 4" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,463.94 103.91 1,990.52	173.23
40 05 23 43-1273 EA 6" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,191.24 121.99 3,557.52	203.32
40 05 23 43-1274 EA 8" Check Valve, Stainless Steel, Flanged..... <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	7,312.52 139.26 6,437.42	232.19
40 05 23 43-1275 Type 316 Seamless Annealed Tubing (40 05 23 43) Note: For high pressure air (8000 PSIG working pressure).		
40 05 23 43-1276 Type 316 Seamless Annealed Tubing (40 05 23 43-1275)		
40 05 23 43-1277 LF 3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	14.65	
40 05 23 43-1278 LF 1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	18.13	
40 05 23 43-1279 LF 3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	21.91	
40 05 23 43-1280 Type 316 Seamless Annealed Tubing Fittings (40 05 23 43-1275) Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.		
40 05 23 43-1281 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	48.65	
40 05 23 43-1282 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	52.86	
40 05 23 43-1283 EA 3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	81.15	
40 05 23 43-1284 EA 3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	45.41	
40 05 23 43-1285 EA 3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	74.95	
40 05 23 43-1286 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	56.06	
40 05 23 43-1287 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	70.44	
40 05 23 43-1288 EA 1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	108.52	
40 05 23 43-1289 EA 1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	69.18	
40 05 23 43-1290 EA 1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	106.52	
40 05 23 43-1291 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	67.24	
40 05 23 43-1292 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules.....	87.29	
40 05 23 43-1293 EA 3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	144.97	
40 05 23 43-1294 EA 3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	119.97	
40 05 23 43-1295 EA 3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules.....	147.52	
40 05 23 43-1296 Valves For High Pressure Air (5,000 PSIG) (40 05 23 43-1275)		
40 05 23 43-1297 Needle Valves (40 05 23 43-1296)		
40 05 23 43-1298 EA 3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	279.28	
40 05 23 43-1299 EA 1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	445.23	
40 05 23 43-1300 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG (40 05 23 43-1296)		
40 05 23 43-1301 EA 1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction.....	268.05	
40 05 23 43-1302 Other Valves Working Pressure 6,000 PSI (40 05 23 43-1296)		
40 05 23 43-1303 EA 1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG.....	1,122.45	
40 05 23 43-1304 EA 1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	278.95	
40 05 23 43-1305 EA Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element.....	52.41	

40 Process Interconnections**40 05 Common Work Results For Process Interconnections**

40 05 23 Stainless Steel Process Pipe and Tubing



MINOR				
CSI	UOM	DESCRIPTION		

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

END OF SECTION 40



Process Gas and Liquid Handling, Purification, and Storage Equipment	43	43
Liquid Handling Equipment	43 20	
Dry Location Liquid Pumps	43 23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment ⁽⁴³⁾

43 23 Dry Location Liquid Pumps ^(43 20)

43 23 78 Controlled Volume Horizontal Reciprocating Pumps ^(43 23)

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps ^(43 23 78)

43 23 78 31-0001 Diaphragm Pump ^(43 23 78 31)

43 23 78 31-0002 EA 28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI 2,457.74

43 24 Suspended Liquid Pumps ^(43 20)

43 24 41 Archimedes Screw Pumps ^(43 24)

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps ^(43 24 41)

43 24 41 23-0001 Positive Displacement Pump ^(43 24 41 23)

43 24 41 23-0002 EA 25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing..... 2,030.26

43 40 Gas and Liquid Storage ⁽⁴³⁾

43 41 Non-pressurized Tanks And Vessels ^(43 40)

43 41 31 Metallic Specialty Tanks ^(43 41)

43 41 31 00-0001 L.P.G. Tanks With Regulator And Safety Controls ^(43 41 31)

43 41 31 00-0002	EA	250 Gallon LP Gas Storage Tank	1,867.60	46.77
43 41 31 00-0003	EA	500 Gallon LP Gas Storage Tank	2,543.39	56.13
43 41 31 00-0004	EA	1,000 Gallon LP Gas Storage Tank	4,428.15	65.48

END OF SECTION 43

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 40 Gas and Liquid Storage

43 41 Non-pressurized Tanks And Vessels



MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

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